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**RUSSELL-HECKLE**

**SEED Co.**

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**1937**



**TOP NOTCH  
SEEDS -**





Etoile De Holland



Radiance

## Six 2-year California-grown Rose Bushes

6 Everblooming Varieties only  
\$2.00, Postpaid. One each of the  
following colors:

Etoile de Holland.....Crimson  
Joanna Hill .....Yellow  
President Hoover ....Pink Yellow  
Radiance .....Pink  
Red Radiance .....Red  
Talisman .....Pink-Gold-Red

These are strong budded 2-year California  
field-grown rose bushes true to name and  
guaranteed to please you. Supplied from  
*February 1st to April 15th next, not later.*



President Hoover



Talisman



## R. H. Company's 1937 Gladioli Offer

Select Top Size Bulbs That Will Please You.  
SIX FINE VARIETIES.

Betty Nuthall .....Coral  
Giant Nymph .....Pink  
Golden Frills .....Yellow  
Purple Glory .....Purple

1910 Rose...Clear Rose  
Picardy ....Salmon Pink  
Minuet .....Lavender  
Virginia .....Deep Red

Postpaid

2 each of above eight varieties; 16 bulbs.....\$0.50  
4 each of above eight varieties; 32 bulbs..... .90  
12 each of above eight varieties; 96 bulbs..... 2.40  
25 each of above eight varieties; 200 bulbs..... 4.50





## KILL INSECTS WITH CUBOR SPRAY POWDER

Non-poisonous, a ½-oz. Packet makes 3 gallons of spray material that is effective against all insects on vegetables and flowers. Won't burn, safe and sure. ½ oz., 10c; 2 oz. pkt., 25c; 1 lb., \$1.00; 4 lbs., \$2.80. Postpaid, 15c; 30c; \$1.10 and \$2.95.

[illegible]

**Notice:** We would appreciate having the names of any of your acquaintances who would be interested in our catalog. Especially addresses of market gardeners.

**Free Flower Seed** With any cash order at catalog prices for Garden and Flower Seeds, excepting on collections to the value of \$1.00 or more, we will send FREE five 5-cent packets of Flower Seed, our selection.

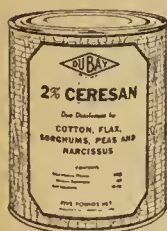
# DU BAY

## SEED DISINFECTANTS

**INCREASE CROP PROFITS**  
**REDUCE DISEASE LOSSES**

There can be no question about the value of treating seeds with Du Bay Seed Disinfectants —when farm papers and federal and state agricultural authorities advise seed treatment and, in many cases, actually urge the use of Du Bay Disinfectants. Invest a few cents in Du Bay treatment this year, and see how much more profit you'll get in return!

### A Treatment for Cotton and Other Major Crops



2% CERESAN prevents early-planted seed from rotting in cold, wet soil; reduces damping-off or sore-shin; insures a more uniform stand and increases yields of seed cotton up to 426 pounds per acre. Plant one-quarter less seed. Saving in seed and replanting expense more than pays for 2% Ceresan's small cost. Easily and quickly dusted on the seed at the rate of three ounces per bushel. Also used for treating sorghums, flax, millet, peas and narcissus bulbs. Prices: 1 lb., 70c; 5 lbs., \$3.00; 25 lbs., \$12.75. Postpaid 1 lb., 80c; 5 lbs., \$3.20.



**NEW IMPROVED CERESAN**  
Effective against bunt or stinking smut of wheat; loose and covered oats smuts; black loose smut, covered smut and stripe of barley; seedling blight of all three. Prices: 1 lb., 70c; 5 lbs., \$3.00. Postpaid 80c and \$3.20.



**NEW IMPROVED SEMESAN BEL**  
Quick dip treatment; effective against seed-borne scab and Rhizoctonia. Costs only 1½c to 3c a bushel. Prices: 4 oz., 45c; 1 lb., \$1.50; 5 lbs., \$6.75. Postpaid 50c; \$1.60; \$6.95.



**NEW IMPROVED SEMESAN JR.**  
Easy dust treatment; protects seed against rotting; improves stands; reduces seedling blight and increases yields. Average increase, 4 bushels an acre. Prices: 4 oz., 35c; 1 lb., \$1.00; 5 lbs., \$4.75. Postpaid 40c; \$1.10; \$4.95.



**SEMESAN** controls many seed-borne diseases; reduces seed decay of vegetable and flower seeds at the amazingly low cost of only ¼c to 1c a pound. Prices: 2 oz., 35c; 1 lb., \$2.25; 5 lbs., \$9.90. Postpaid 40c; \$2.35; \$10.10.

**FREE: Booklets on all Du Bay Seed Disinfectants on request.**

**TREAT SEEDS EVERY YEAR—IT PAYS**



# Russell-Heckle's Top Notch Alfalfa

The most vital need of those who depend for their living on the products of the soil is pure seed, not mixed with noxious weed seed, and of high germinating quality. Our Top Notch brand was originated to designate seed stocks filling just that need, and their dependability is responsible for their popularity.



A Field of R.-H. Co.'s Dakota 12 Alfalfa

## ALFALFA

Alfalfa deserves to rank first among the legumes. It furnishes more green forage, more pasture and more dry hay per acre than any known variety of hay or grass. Pound for pound of dry feeding matter, it is worth more than any other forage—and is relished by stock, cows, sheep and hogs.

As a soil builder, there is nothing better—extremely deep rooted, it withstands drought better than most other legumes. In the South, Alfalfa usually lasts four or five years without reseeding, sometimes longer, depending on presence of weeds, weather conditions, etc. Do not pasture so closely as to injure the crown or new shoots.

### Getting a Start

Alfalfa requires a sweet soil—if your soil is acid, apply sometime ahead of seeding, the fall previous to seeding if possible, at least 3 tons ground limestone per acre broadcast and harrow this in. It will not grow on acid soil. Sow on good loam or clay or medium sandy soils, provided they are well drained to a depth of at least four feet. Avoid soil with a "hard-Pan" close to surface, for it prevents drainage. Avoid low spots where water stagnates or freezes—Alfalfa cannot stand "wet Feet." Sow on a bed free of weeds—if possible, sow on land which has been in some cultivated crop. Plow previous fall if possible, or at least several weeks in advance of seeding. Then disc and harrow frequently to set the seed bed—a firm seed bed is desirable as it conserves moisture.

Sow 20 to 25 pounds per acre (some use 30 or 35 lbs.) cover about 1 inch. Some roll the seed in, using corrugated roller or cultipacker. Plant in March and April, September or October.

**INOCULATE THE SEED BY ALL MEANS.** If not inoculated, young plants have to depend on whatever nitrogen is available in the soil, usually not a fifth of the large quantity they require. When inoculated, the bacteria soon supply all the nitrogen the plants require and assure a vigorous growth. Lack of inoculation has caused many Alfalfa failures. Use either Nitragin, or Dickinson's Humus, described and quoted on page 19 of this catalog.

## Price List of Inoculations

### NITRAGIN CULTURE

For Alfalfa, Red, Alsike, and Other Clovers	For LESPEDEZA
1/2 bu. size, each.....\$0.35	1 bu. size, each.....\$0.35
1 bu. size, each......55	2 bu. size, each......55
2 1/2 bu. size, each..... 1.20	5 bu. size, each..... 1.20

For current and quantity prices on Alfalfa Seeds, see Green Ink List enclosed.

### R.-H. Co's Top Notch Western Alfalfa

The United States Department of Agriculture says that a good grade of Kansas Common type of Alfalfa is standard for the South. Where this type of seed is produced, in Kansas and Northern Oklahoma, they have severely cold weather in winters and extremely hot weather in summer, with dry periods and wet spells. Much more unfavorable conditions than our territory has to bear. Repeated tests at our Experiment Stations and actual field results show the accuracy of the department's statement. We have sold hundreds of thousands of pounds all over the South where it has given splendid results.

Our seed this spring are the cream of the crop in Kansas and Northern Oklahoma, bought by our own representatives who spent almost two months in the growing fields last fall when crops were harvested.

### R.-H. Co's Top Notch Hardy Northwestern Alfalfa

The Northwestern states, like Idaho, Nebraska, produce a very hardy type of Alfalfa, due, naturally, to the severely cold winters that Alfalfa must weather there each year. Our Top Notch Northwestern Seed represents our choice of the stocks produced there, based on purity and growth. Such seed costs more than seed produced farther south, but the man who buys Top Notch Northwestern Alfalfa will get full value for every dollar spent.

### DAKOTA—12 ALFALFA

Originated in the Dakotas to meet the terribly severe weather conditions prevalent there, where the temperature goes down to 15 or 20 degrees below zero in Winter, with extremely hot Summers in the mountain valleys. This seed has built up a strong resistance to Winter killing, an ability to produce a strong vigorous, very productive crop of Alfalfa under the most unfavorable conditions. This explains the popularity everywhere for Russell-Heckle's Dakota 12 Alfalfa, sold under our Top Notch brand.

## WHY INOCULATE

Inoculation of your seed before planting will give you a much stronger and quicker growth, producing a greater tonnage of hay. The cost of inoculation per acre is so small that the increased yield will repay it many times.

The big benefit comes in the value added to your land. The roots of the Alfalfa are the home of the inoculated bacteria, that draw the fertility-building nitrogen from the air and store it in swellings on the roots called nodules. These nodules not only feed nitrogen to the plant, but rot away in the ground to supply valuable nitrogen to all future crops of all kinds.



## LESPEDEZA—Japan Clover

Three species of lespedeza—two annuals and one perennial—should be considered before deciding which to plant. The annuals are (1) Common, with two improved varieties, Tennessee 76 and Kobe, and (2) Korean. The perennial is Lespedeza Sericea.

The annual Lespedezas are grown all over the South, on every sort of soil without use of lime on poor worn out soils, and where Red Clover and Alfalfa won't grow without lime. Sow for pasture, for hay, for soil improvement or for seed production.

**SEEDING**—Sow in February, March and April either alone or on top of winter grain. If alone, have soil thoroughly pulverized before sowing the seed. Rolling the seed in will firm the soil and conserve moisture. The secret of success is to get a full stand early. Sowing 25 or 30 pounds of seed you can expect a good hay crop that fall under normal conditions; or good grazing may be had beginning soon after grain harvest and continuing until frost. Red Top or Herd's grass and Orchard grass are fine in combination with Lespedeza for grazing, the grasses coming out much earlier. Inoculate all lespedezas—with Nitragin.

### Kobe Lespedeza

Kobe has certainly earned a home for itself on Southern Farms, particularly where long periods of drought occurred, for Kobe came through these droughts where Common Lespedeza was burned out. This drought resistance is a life-saver to a farmer, and is no doubt due to the very extensive root system and its rank growth, with larger than ordinary leaves. We have seen Kobe 38 inches tall but usually it is 2 to 2½ feet tall. We have seen yield of 4 tons per acre with Kobe. It is excellent for hay and pasture alike. Can be sown with oats, also with Orchard Grass and Red Top or Herd's Grass.

### Korean Lespedeza

Korean is the earliest of the annual Lespedezas, coming up first and growing rapidly, therefore giving earliest grazing of any lespedeza. Grows taller than Common, larger plant and coarser, with broader leaflets. Korean matures earlier than other lespedezas, seed beginning to ripen in September. The only variety suitable for Northern half of the United States. Korean is fine in combination with grain for it will drop seed before time to break the ground to sow grain in the fall. Korean is fine in pasture combinations, and an abundant hay yielder.

### Tennessee No. 76 Lespedeza

This variety is similar to the common or wild variety, except that it is taller and more upright in growth, holding

all the branches off the ground, even when the plants stand alone. It is finer stemmed than Korean or Kobe, and grows to the height of nearly three feet under favorable conditions. It blooms slightly later than Kobe and considerably later than Korean or Common. The hay yields made on the West Tennessee Experiment Farms are larger than those of the other varieties.



### Common Lespedeza

The original variety, grown all over the South, for hay, grazing and soil building. Not so tall as Kobe and Korean but is a good crop and will always be in demand.

### Hop Clover, or Yellow Hop

(Annual)

This clover will be found growing wild over a good portion of the South, and is very valuable in all pastures. Hop comes out very early in the spring and lasts until mid-summer, when Bermuda Grass and Lespedeza take up the job of furnishing pasture. Grows about 6 to 8 inches high, is very similar to lespedeza but a little more upright and has a yellow blossom instead of lespedeza's purple bloom. It is the earliest and fastest growing clover adapted to the South. Clays and loams that are not constantly wet satisfy it best. Sow 1 to 3 pounds per acre in your pasture mixture.

### Black Medic

Grows all during the winter and is just the thing to build up run-down soil and will improve the yield of crops that are planted on the land the following spring. Sow in March, 18 to 20 lbs. per acre.

### White Dutch Clover

(Perennial)

Creeping in type, not adapted for hay but excellent in lawns and should be in all pastures. Much relished by stock, and high in protein. Does not cause bloating, comes out very early in spring without interfering with other grasses, thrives under trampling. Sow 1 or 2 lbs. per acre in your pasture mixture.

### Inoculate

Seeds of all legumes—clover, alfalfa, vetch, all peas, beans and related crops—will yield far better if inoculated with Nitragin, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Farmers and gardeners who have used it would not be without it.

Quantity and current prices on all Lespedeza seed are given on our Green Ink List.



Same field of Lespedeza Sericea at two stages of growth

## Lespedeza Sericea, the New Perennial Lespedeza

An entirely new type—once planted, it comes back each spring from the crowns like Alfalfa, and is often called "The Poor Land Alfalfa." All other lespedeza varieties must be re-seeded or allowed to drop their seed each year.

Sericea has an enormous root system, penetrating often four feet into the soil, with a perfect mat of smaller roots spreading everywhere—You can see what this means as a positive cure for soil erosion. Further it seems to be the answer to a farmer's prayer for a pasture that is drought proof. Sericea pastures in Korea in use for fifty years are better today than ever. The enormous root system is loaded with nodules of nitrogen, adding immensely to soil fertility provided you inoculate when seeding.

Sericea will grow apparently anywhere in the South on almost any type of soil (except Miss. Delta buckshot) without liming or any kind of treatment. Two cuttings of hay and a seed crop may be obtained each year, as high as four

tons of dry hay in one season, the equal of Alfalfa in feeding value. Sericea is extremely leafy.

Plant only hulled and scarified seed in April or May, after danger of frost is past. This treatment of the seed brings quick germination. If you plant unhulled seed in the spring you won't get 10 per cent germination, so avoid this. For seed crop, plant 2 pounds scarified seed per acre in 2½ ft. rows. The yield is from 300 to 900 lbs. of seed per acre. For hay, sow 10 pounds of scarified seed per acre. Have your seed bed free of weeds, thoroughly plowed, disked and harrowed, cover seed very lightly—you can use a light roller to advantage, firming the soil to conserve moisture.

The first year you will see lots of grass and weeds, but don't give up—the second year Sericea looks much better, and the third year, and thereafter, you have a crop you will be eternally proud of.





Red Clover Makes a Good Hay Crop

## Red Clover

(Biennial)

As a soil builder, Red Clover is equal to any; in feeding value, it ranks next to Alfalfa. Should be on every Southern farm that will grow it. Requires a sweet soil, well drained—medium fertile to rich. Plant alone for hay or with Timothy. Fine in pastures, and a splendid soil builder. Sow in March, April, September, October. Be sure to inoculate with Humus or Nitragin, if you want best results. Prepare seed bed well thoroughly, discing and harrowing, sow seed and roll in with roller or cultipacker; have ground free of weeds.

## Alsike Clover

(Biennial)

Somewhat smaller seed than Red Clover, 6 to 8 pounds per acre enough, about equal to Red Clover hay in feed value, hay a little finer and preferred by stock. Rarely winter kills. Will thrive on poorer soil, and does fine on damp moist soils. Does not require lime, or at least very little. Grown and handled throughout same as Red Clover.

## White Blossom Sweet Clover

(Biennial)

Good for forage pasture and soil improvement—will grow on almost any Southern soil (even very sandy soils) that contains lime, thriving on land too poor to grow Red Clover or Alfalfa. Resembles Alfalfa when young but grows much larger, almost same rank in feeding value; both as hay and green forage. Stock seldom relish it at first, but when forced to eat it, soon develop a decided preference for it. Cut it before it reaches the blossom stage—too woody after that. Has a deep-spreading, heavy root system making it a big Nitrogen gatherer and soil improver, provided it is inoculated. Pasture from time plants are 6 inches high—the more stock you turn on it the better, for close grazing encourages its growth, and when tall becomes coarse and unpalatable. Being a biennial, will disappear unless allowed to make seed second fall. Inoculate seed with Nitragin.

## Yellow Blossom Sweet Clover

The Yellow Blossom type is very similar to that of the White Blossom. For those who wish to use Sweet Clover for pasture, hay and bee purposes, we would advise the use of the Yellow Blossom type.

## Mammoth or Sapling Clover

Very much like the common Red Clover but larger, heavier and later. Recommended for thin soils. Sow 10 to 12 pounds to the acre.

## Crimson Clover

(Annual)

Sow 12 to 15 pounds in August and September in South, cut for hay in early bloom stage next spring, which is best time to turn under for soiling crop. Also furnishes large amount of Nitrogen in soil if properly inoculated. Use Humus or Nitragin.

## Burr Clover

Sown in July, August and September. Makes superior pasturage, fair hay, and grows on any thin land, and if turned under the following spring, acts as a splendid fertilizer. Sow 20 pounds of burrs to the acre.

## New Early Giant Burr Clover

Exceeds all other varieties as it attains a height of 4 to 5 feet while Common Burr grows only 1 to 1½ feet and besides it is 3 to 4 weeks earlier in growth, blooming and maturing of seed. It succeeds on any loamy sandy soil. As a cover crop for turning under, you can't beat this new Giant type of Southern Burr Clover. Sow in August and September 3 to 5 bushels to an acre. Prices on new crop seed given in July and August.

### Clover Seed Prices

All prices on Clover seeds are given on our Green Ink List. Write for a copy.

# Russell-Heckle's Pasture and Grass Mixtures

These are composed principally of grasses which ripen together for cutting; but they also contain other grasses which will also add very much to the pasturage yield, in case it is desired to use the fields for pasturage. These grass mixtures afford splendid crops of hay of the finest quality and highest feeding value, and after being cut will give continuous and abundant pasturage till winter comes. May be used for hay exclusively, or for hay and pasturage as needed.

**PERMANENT GRASS MIXTURE No. 1.** For hay or pasture. Recommended for light, loamy or medium upland, for either hay crop or grazing purposes. Composed of Orchard Grass, Perennial Rye Grass, Meadow Fescue Grass, Red Clover, Alfalfa, etc. Sow 30 to 35 pounds to the acre.

**PERMANENT GRASS MIXTURE No. 2.** Intended for good moist soils, also for grazing as well as hay. Sow 25 pounds per acre. This is intended for the average soil. Use more seed where land is drier. If stock does not keep down to six or ten inches use the mower to do so.

**PERMANENT HOG MIXTURE.** Especially prepared for pasturing hogs. Composed of Red Clover, Red Top Grass, Orchard Grass, Alsike Clover, Rape, etc. Sow in February, March and April, also fall, at rate of 20 lbs. per acre.

**TIMOTHY AND ALSIKE MIXED.** Suitable mixture for wet lands, furnishing good pasture and hay. Sow in early spring and fall, 15 pounds of the mixed seed per acre.

**CHICKEN PASTURE MIXTURE.** A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September, 30 pounds to the acre.



## Russell-Heckle's Grass Seed

In planting grass seeds the land should first be thoroughly cultivated and pulverized. The seed may then be scattered by hand or with a hand-seeder, such as described in this catalogue. A harrow or rake should then be used, which will mix the seeds with the soil so they will be covered about one-quarter inch deep. If not convenient to sprinkle, the planting should be done when there is a good season in the ground, and land rolled or dragged after harrowing. This will pack the soil so the moisture will be saved from evaporation and thus cause the seed to germinate, and to nurture the grass until it establishes a good root system.

### Sudan Grass

Sudan is an annual and must be planted over each spring, after the ground has become thoroughly warm. Very quick growing, Sudan can be cut 3 or 4 times each season, depending on moisture present. Ready to cut about 8 to 9 weeks after sowing, when first heads appear, or a little later won't hurt. Let it stand in cocks until thoroughly dry; the stems are very juicy and take longer than leaves to cure. Can be sown with Soy beans or Cowpeas and the mixture makes a well balanced ration. If planted on rich land, will yield splendidly. Sudan hay alone is relished by stock, and is as nutritious as Timothy. Should be planted on fairly rich loamy soil.

As a summer pasture, Sudan has few equals, continuing until frost. It is well to run mower over Sudan before turning stock in it—this will start it to stooling and prevent the whole young plant from being pulled up. Sudan is a splendid milk producer, supporting 1 to 3 cows per acre all summer depending on conditions. Can be cut and fed green also. Plant 10 to 15 pounds in drills, 25 to 30 pounds per acre broadcast.

### Red-Top or Herd's Grass

This grass makes excellent pasture and a good crop of fine quality hay, and succeeds on a greater variety of soils than any other in general use. The place for Red Top is on rather moist soil, deficient in lime and fertility. It will grow where the soil is too poor for Timothy and Kentucky Blue Grass, and once established thickens and improves year after year. It is a good variety to sow with Timothy and Clover for meadow or pasture and is more permanent than either of the other two. On good soil it grows about two feet high; on poor, gravelly land about half that height. It has been grown successfully even on alkali land where other grasses failed. It requires about 8 to 10 pounds to seed an acre of the Fancy Clean seed. It can be sown either in the spring or fall.

### Orchard Grass

A long-lived perennial, comparatively deep-rooted, therefore, drought resistant. Splendid in pastures, furnishing about the first green bite in the spring and the last in the fall. Grows well in the shade of orchards and open wood lots. Prefers a well-drained rather light, neutral or sweet soil. Equal in productivity to Timothy, and outlives it—about same feeding value. Cut in full bloom for hay. Sow spring or fall in the South, 21 to 28 pounds per acre on thoroughly prepared pulverized soil, then roll in, making firm seed bed.

### Carpet Grass

#### Easily Eradicated by Plowing

Grows practically anywhere over the South where temperature does not go below ten degrees above, thrives vigorously on any kind of soil if moisture conditions are favorable; even on acid soils and poor sandy soils. Equal in feeding value to Bermuda. May be grazed both earlier in spring and later in fall than Bermuda; stands close grazing and heavy trampling. In fact spreads more rapidly with close grazing. Sow 10 to 15 pounds per acre for pasture. Add 5 lbs. Lespedeza per acre to all Carpet Grass pastures. On golf courses, parks, lawns, sow 20 to 30 pounds per acre. Making a thick leafy sod that improves with close cutting. Sow spring and summer.

### Dallis Grass

Is a perennial, will grow 3 to 5 feet high if not cut. Has a long growing season all over South. Can be cut twice a season, making excellent green feed and hay. Stands close grazing and is not injured by light frost. Hardy, thrives on most soils that are not too dry and sandy, but prefers fairly heavy soils with moist condition. Sow from middle of March to June, 6 to 8 pounds per acre.



Timothy Field Scene



Sudan Grass

### Bermuda Grass

Bermuda delights in sunshine and warmth. It is extensively used in this section for levee work and pasture. The seed should be planted in April, May or June. Seed requires 20 to 30 days to germinate. The ground should be well prepared with a good firm seed bed, and seed broadcast at the rate of ten pounds per acre. Do not cover more than half an inch. The seeding should not be done too early, as the seed will not germinate if sown before the weather and ground become warm.

### Hulled Bermuda Grass

Is the same Bermuda Grass seed with the outer hull removed. This promotes quicker germination, requiring 8 to 10 days only, as against 20 to 30 days for unhulled seed. Further, only about one-half the amount of seed is required when using hulled seed.

### Timothy

A short-lived perennial, usually lasts 3 to 5 years, as the root system is rather shallow, it thrives best on rich, moist bottom lands, and on heavier types of soil—poorly on thin or sandy soils. Prefers sweet soil but does not form a sod. Won't stand close pasturing but is very palatable and will not injure stock no matter how much is eaten. For hay, cut after the purplish blue blooms have fallen, when the seed have formed and are in "milk" stage. Set the mower blade full 4 inches above the ground. Yields 1½ to 3 tons of hay.

Sow spring or fall, 15 pounds alone or 10 pounds Timothy and 5 pounds Alsike or 6 pounds Red Clover. A well worked seed bed rolled before and after seeding is desirable, increasing supply of moisture.

### Poa Bulbosa—Winter Blue Grass

This was written up in a lengthy article in November, 1935, Country Gentleman. Comes up in the fall, stays green all winter, grows faster in February-March and matures in May, making a big bulbil or seed crop. Stays dormant all summer, coming out again in the fall. Has given very attractive results in Oregon, and while little has been tried out in the South, the Bureau of Plant Industry says it should be splendid in combination with Bermuda Grass or Lespedeza in the South, making an almost year round pasture.

Thin stands can be obtained with 30 pounds per acre, and once started the plants will spread and thicken. Stands lack of moisture well.

Current and Quantity prices on all grass seeds are quoted on Green Ink List enclosed.





# Russell-Heckle's Lawn Grass Seed

Spade or plow ground to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps and remove all large stones. If the soil is shallow, procure a supply of fine mold and spread over the surface to a depth of 5 inches. Soil may be enriched by bone meal or well-rotted manure wherever necessary, then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over

the surface at the rate of 60 or 75 pounds per acre. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed is germinating it will invariably perish. When the grass is 3 inches high it should be cut and rolled, and repeat until the grass has become firm. For small areas use one pound lawn seed to 20x20 or 400 square feet.

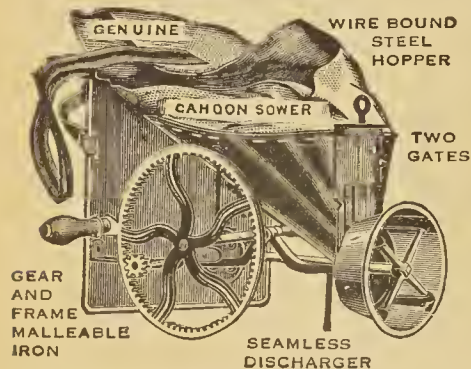
## Evergreen Lawn Grass

Our Evergreen Lawn Grass is a mixture of grasses that are adapted to lawn making, and contains none of the coarse grasses nor those that grow in tufts or clumps. No one grass makes an ideal lawn grass, so we have put into our Evergreen a well-balanced mixture of grasses that are at their best during different months of the year, will give a beautiful green growth at all seasons, and will make a rich, deep green, velvety lawn in as short a time as possible.

## Shady Spot Lawn Grass

Only a few grasses will grow satisfactorily in the shade. Among the grasses best adapted to this purpose are Poa Trivialis and Red Fescue. These grasses should be the base of all mixtures for shady lawns and woods. Shady Spot Lawn Grass contains a large proportion of these two grasses besides other adapted turf-making grasses that will blend and make a thick velvety sod.

## Cahoon Broadcast Seed Sower



One of the best seeders manufactured, and sows all kinds of grain. Clover seeds, Lespedeza, etc. Very strong and durable. Each, \$1.25; by parcel post, \$4.50.

## Cyclone Broadcast Seed Sower



Will sow Timothy, Clover, Lespedeza, Oats, Rye, Wheat, Millet, Grass Seeds, Peas, Sorghums, etc. Works perfectly; has an agitating feed plate which insures a uniform flow of seed. Each, \$2.25; by parcel post, \$2.45.

## Seed Sowers



## Thompson's Royal Wheelbarrow Seeders

The fastest grass seeder on the market. Easy running and light weight, complete, only 50 pounds. The seed is never bunched. Seed is sown close to ground, hence the wind does not blow it.

No. 13 Royal—Double Hopper. 14 feet in length, having an extra deep hopper, is the best for sowing Lespedeza seed in addition to sowing Alfalfa, Clovers, Millet, Timothy, Grasses, etc. With Chain feed.

Each .....\$14.50

No. 12 Royal—Standard Double Hopper. 14 ft. Chain feed. Each.....\$13.50

## Lawnette Fertilizer and Seed Distributor

Spreads fertilizer, lime or seeds, evenly and accurately. Saves time, worry and labor. Ideal for sowing on windy days, especially desirable on lawns since it puts down the fertilizer properly and evenly. It is equipped with gauge, etc., for controlling proper quantity to use. Easy running, sturdy machines that will last for years if properly taken care of. Made in 2 sizes.



No. 15—14" wide.....\$2.75  
No. 215—24" wide.....9.25

## Kentucky Blue Grass

Adapted for shady locations, and requires rich soil. It will do well where lime is used in the ground. Fine for lawns, also for pasture, where soil is suitable. Sow in February, March and April, also in the fall. One pound sows 20 by 20 feet, or 400 square feet; 80 to 100 pounds to the acre.

## Winter Rye Grass

For winter lawns. This grass is becoming more popular each year. When sown in the fall, which is the proper season, Winter Rye Grass remains green all through the winter. Sown on top of Bermuda in October or November. For lawns use 1 lb. to 10 by 20 feet.

For prices on all Grass seeds on this page see our Green Ink List enclosed.

## Thompson No. 101 Universal Distributor



An all purpose distributor, broadcasts uniformly at any rate application required. Hopper capacity 1½ bushels of seed or one 100 lb. bag of fertilizer, spreading width 10 feet.

It will sow all fine solid seeds such as Red Top Alfalfa, Clover, Timothy from 4 lbs. per acre up. It also sows all light chaffy seeds such as lespedeza, Orchard grass, Rye grass and Lawn seeds. The New No. 101 Distributor will also sow all grain, cowpeas, soy beans, etc. Also all types of fertilizer like Cyanamid, Nitrate of Soda & Commercial brands from the finest powders to large granular forms as low as 25 lbs. to the acre up to maximum quantities recommended.

The machine has a positive shutoff slide. Hopper is mounted underneath handles so that the wind does not affect uniform distribution. Weight of distributor 90 lbs. It is sturdy and well built with a substantial 32 inch steel wheel having a 2½ inch run so it operates well on tilled soil or turf. Price 10 ft. Thompson No. 101, Universal Distributor, less cover, \$28.50; with cover, \$30.00 f.o.b. Memphis.

## The Horn Seed Sower

A splendid little tool. Will sow any fine seed like Clover, Lespedeza, Timothy, Alfalfa and Grasses. Each, \$1.00; by parcel post, \$1.10.





*This Year . . .*  
**HAVE A FINER LAWN  
AND GARDEN**

*I*F your lawn isn't what it should be, if your flowers don't come up to your expectations, try

feeding them with Vigoro. Vigoro is the complete plant food made by Swift especially for home gardeners. Every one of the 11 plant food elements scientists have proved plants must get from the soil is contained in Vigoro in *balanced proportions*.

The small photograph above shows how the lack of just one element retards plant growth. In this experiment by a prominent University, one aster plant was fed all 11 elements. The others were each fed 10 elements, the element indicated being withheld. Your soil may lack one or more of the minor elements.

You'll appreciate the many advantages which this modern plant food gives you. It's clean, odorless sanitary, and the most economical plant food you can buy. Best of all, you can be sure your plants and your lawn will be properly fed when you use Vigoro. Four pounds of Vigoro per 100 square feet of lawn or garden area gives a "Square Meal" to your plants.



**VIGORO**  
*Complete plant food*

For Lawns, Flowers, Shrubs, Trees, Vegetables, and Watermelons

100-lb. bag	\$4.00	10-lb. pkg.	\$0.85
50-lb. bag	2.50	5-lb. pkg.	.45
25-lb. bag	1.50	1-lb. pkg.	.10
F. O. B. MEMPHIS, TENN.			



# R.-H. Co.'s Seed Oats

**Culture**—Sow as early as possible, in February and through March, in good soil two to two and one-half bushels to the acre. If the soil is poor, use 200 to 300 pounds 16% Phosphate to the acre. Cut them for hay when the oats are in the milk stage or about half mature.

## Appler Oats

This is another development from an improvement over the old original Red Rust-Proof Oats. Its productiveness, probably more than any of its other good qualities, has contributed to its wide popularity. They stool out splendidly, have large, full heads, fine, plump grains and strong straw that stands about three feet high. It has plump grains and exceptional heavy weight; the weight per measured bushel averaged 35 pounds, often reaching 37 pounds, and almost never falling below 32 pounds.

## Early Burt or Ninety-Day Oats

Probably the earliest maturing of all Oats, hence Burts can be planted after it is too late to sow any other variety. Can be planted in March and mature in time to escape injury from heat. Early plantings can be cut in time to put the same land in corn, cowpeas, soy beans, peanuts, cane millet or other summer crops. For quick feed in the spring and for grazing, the Early Burt is the best of all. It is not a heavy yielder of grain, but fine for cutting in the dough stage.

## Kanota Oats

Bred at Kansas Experiment Station; named for three states, Kansas, Oklahoma, Texas. Bred from an improved strain of Fulghum, and often called Kanota-Fulghum. A splendid variety, early in maturity, always a big advantage; an exceptionally heavy yielder of both grain and straw, with uniform plump, heavy berry. Quite resistant to cold and for that reason much sought after for fall plantings.

## Fulghum

A rust proof variety developed from the original Red Rust-Proof Oat. It is one of the most satisfactory and popular oats known. Its productiveness and early maturity, probably more than any of its other good qualities, have contributed to its wide popularity. They stool out splendidly, have large full heads, fine plump grains, and strong straw that stands about 3 feet high.

## Red Rust-Proof Oats

For years the standard in the South. Thousands of acres are planted to Red Rust-Proof Oats each year. Oats in the South have long been subject to rust and that's why the Northern White Oats are not successful down South. The Red Rust-Proof Oat is a very vigorous grower, robust and productive, does well on low ground.

## Extra Heavy Oregon Grown Winter Turf Oats

By far the heaviest oat we ever handled. The U. S. Department of Agriculture recommended to us the Oregon Winter Turfs when the Tennessee stock "ran out." The Oregon Winter Turfs are heavier yielders of both grain and hay, they stool much more heavily than any other oat, therefore, are unsurpassed for grazing during the winter and spring. You will be delighted with results if you plant them. Probably the most resistant to winter killing of all our oats.

See Green Ink List enclosed for present prices on Seed Oats and Millet.

# R.-H. CO.'s MILLET

**MILLET.** Nothing pays better for a stock raiser or dairy farmer than a few acres of Millet, for it not only yields at least half again as much hay per acre as Timothy or Clover but is also of the greatest feeding value and milk producing quality. When spring is so unfavorable that other crops fail to grow, or when the season is so late that corn will not mature, Millet is invaluable.

## Tennessee German Millet

Our Southern grown Millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay when it begins to show the heads. Plant  $1\frac{1}{2}$  to 2 bushels an acre broadcast. Plant from April to August.

## Japanese or Barnyard Millet

Distinct from other millets; grows 4 to 6 feet high, yielding an enormous crop that in quality is equal to corn fodder and is relished by stock. Sow in May, June or July, 20 pounds to the acre broadcast; or sow in 15-inch drills and cultivate until it is 18 inches high.

## Pearl or Cattail Millet

One of the greatest and best yielders of green forage and continues to grow and produce through the entire season if cut frequently enough to prevent its going to seed; three to four cuttings may be had. Sow thinly in rows 3 feet apart at rate of 8 to 10 pounds per acre.

## Egyptian Wheat or Shalla

The heads are large and heavy. It makes hens lay better than any poultry food. Plant in drills 3 feet apart, using ten pounds of seed per acre; or broadcast, using from 2 to 4 bushels.

## Grohoma

This new forage and grain crop, after thorough trials the past season, was found very satisfactory. Stock of all kinds like it, in fact they eat every particle of the stalk, leaves and head. Plant from April 1st to July 1st in good soil. Make rows 4 feet apart drop seed 12 inches. Since it stools considerably, very little seed is required. Sow 2 pounds to the acre.

## Feterita

Three or four weeks earlier than Kaffir Corn. It is the most drought-resisting of any of the sorghum family. Sow in April or May, in drills, 5 pounds to the acre.

## Darso

Low growing, heavy foliated, with a large stalk, usually tinged red. On account of its drought-resisting qualities it has become a safe feed crop. Makes excellent silage, grain, and forage. Sow in  $3\frac{1}{2}$ -foot rows, 10 lbs. to the acre.

## Hegari

Earlier than Kaffir corn or Feterita, dwarf in growth with large heads of white grains, stands dry weather well. Plant 8 to 10 pounds per acre in drills.

## Mammoth Russian Sunflower

Makes fine poultry feed, ensilage, and hog feed. Plant up to July 1st at rate 8 lbs. to the acre. Plant and cultivate same as corn.

## Teosinte

Fine forage plant, grows 12 feet high, can be cut often. Plant 4 lbs. to an acre in 3 ft. rows, thin to six inches.

## Buckwheat

Sow three pecks to one bushel to the acre. It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees.



Note—This is NOT Gov. Alf Landon's Sunflower.



Tennessee German Millet.



# RUSSELL-HECKLE'S SOY BEANS

## *They Make Poor Land Good—They Make Good Land Better*

They make a rich and nutritious hay and one of the cheapest. The beans always find ready sale at the oil mills and for planting. It is one of the South's most economical soil improvers. They require no fertilizers except acid phosphate.

Our location in the very heart of the original and best Soy Bean seed producing section enables us to supply the finest stock of seed offered anywhere at especially advantageous prices, quality considered. When you buy from us, you buy direct from Soy Bean headquarters. We grow and handle many thousand bushels of Soys every year.



Soy Beans are one of the South's best hay crops.

**CULTURE.** Soy beans may be planted either broadcast or in drills. Usually a better crop is had when planted in drills and cultivated, and few crops leave the land cleaner and in better condition for the following crop. They grow equally well on light and heavy soils, but on heavy soils they should not be planted more than 1 to 1½ inches deep except in dry seasons. On light sandy soils plant deeper, but not more than 3 inches deep. When sown broadcast sow 1 to 1½ bushels to the acre; in drills about a peck to the acre. Plant in April, May or June.

**INOCULATE.** Be sure to inoculate the seeds with Nitrugin. Not only will you have assurance of a surer stand but a better crop and the succeeding crop will have the benefit of the nitrogen stored in the bean roots.

### **Biloxi Soy Beans**

An upright variety growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high; a fine bean for hogging down, for planting with corn or sorghum and for oil. The beans do not shatter, will stay in the pods until February. Late in maturing, requiring a long season to mature, but makes an unusually luxuriant growth; sow seed broadcast at rate of two bushels to an acre. In drills, sow ½ bushel to the acre.

### **Delsta**

Very stout, erect, short and bushy, splendid for combination with corn. Plant thick for hay. Very prolific, beans little larger than Mammoth Yellow and shatter much less.

### **Avoyelles**

Developed in Louisiana, grows very similar to Ootootan, sometimes called Improved Ootootan, seed are much larger—the worms past year in Louisiana did no damage to Avoyelles but ruined the Ootootans.

### **Laredo Soy Beans**

One bushel will plant 6 to 8 acres in rows 3 to 3½ feet apart, depending upon how thick you want them. We know of one farmer who got a perfect stand using one bushel to 12 acres. They should not be covered deeper than 1½ inches; a half-inch is better. One or two cultivations to keep down the grass and weeds is advisable. The Delta Experiment Station reports splendid results from sowing Laredo March 25th to April 10th with a wheat drill on oats planted the previous fall. This drill helped instead of hurting the oats, and the beans were not large enough when the oats were harvested to interfere with the binder. Sow seed broadcast at rate of one bushel per acre; when sown in drills sow about 1 gallon or 2 gallons per acre.

### **Mamloxi (Mammoth-Biloxi Hybrid)**

Developed at Stoneville, Miss., Experiment Station. Is erect in growth, upright, very prolific yielder of beans, and very fine for combination with corn, and soil building. Good for hay if planted thick. Matures about with Mammoth Yellows but shatters very little. Seed yellow with some brown markings.

### **Mammoth Brown**

A fine big foliage variety, succeeds well in this section; won't shatter. The plant is upright, with heavy branches; a big yielder of beans and foliage. Does well on all soils. It is a medium early variety; matures its beans in about 110 days.

It should be planted in rows 3 to 5 feet apart and 8 to 10 inches in the row; sow 10 to 12 pounds to an acre. Mammoth Brown Soys grow 4 to 5 feet high and are covered with a dense mass of foliage that does not shed easily. When sown broadcast, use 1 to 1½ bushels of seed to the acre.

### **Mammoth Yellow Soy Beans**

Valuable for both beans and forage. Mammoth Yellow is one of the largest growers among Soy Beans, and the most widely grown variety and excels in yield of bean and hay; sow seed in May broadcast at the rate of two bushels to the acre; when planted in drills use ½ bushel seed to the acre.

### **Mamredo Soy Beans**

Produced from a hybrid of Mammoth Yellow and Laredo Soys at Delta Branch Ex. Sta. Shatters comparatively little, upright bushy plant, splendid for grazing and hay; its extra earliness is very valuable. Each of the characteristics is desirable; try some of these sure.

### **Ootootan Soy Beans**

Few Soy Beans can equal Ootootan as a hay maker. Its late maturity is more than overcome by the abundant growth—5 feet or more in long growing seasons—its fine stems and abundant foliage, and the fine texture of its hay. It differs from most varieties in having many leafy branches instead of a coarse central stem, making it easy to cut. Planted in 3-foot rows, they will cover the land with a mass of foliage. Plant one gallon per acre in corn.

### **Tokio**

Maybe a few days earlier than Mammoth Yellow but does not shatter quite so much. Bush type, erect growth; very prolific, and much grown in Tennessee and East Mississippi. Plant thick for hay. Seed greenish color, round.

### **Virginia Soy Beans**

As it is about 20 days earlier than Mammoth Yellow, it can be grown farther north and throughout the corn belt. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse adapts it particularly well for hay making; sow broadcast one and one-half bushels to an acre; in drills ½ bushel to an acre.

Quantity and current prices on all soy beans are given on our Green Ink List.



## Cow Peas

**Culture:** May be sown any time from March to September, either broadcast or in drills. One to two bushels per acre for broadcasting; two to three pecks for drilling.

**SOWING COW-PEAS WITH SOY-BEANS, KAFFIR CORN, SORGHUM AND SUDAN GRASS.** Cow-peas may be sown with these crops to furnish support and make the harvesting easier. Sow half a bushel soy-beans or one peck kaffir corn or sorghum or ten pounds Sudan grass with one bushel cow-peas to the acre.

**SOWING COW-PEAS WITH MILLET.** New Era and Whippoorwill are the best kinds to sow with German millet—one bushel of peas to three-fourths of a bushel of millet per acre. The crop should be cut when the millet is ready. The peas will have reached the dough state by that time and make an excellent combination of large-yielding and most nutritious feed.

**WHIPPOORWILL.** A favorite early bunch-growing variety.

**NEW ERA.** An early, upright-growing variety. Matures early.

**BLACK STOCK.** Large vining variety. Best for thin land.

**CLAY.** Very similar to Black Stock, matures earlier.

**RED RIPPERS.** Vines grow long; make an abundance of hay.

**MIXED.** Preferred by many farmers; they will grow thicker than separate varieties, producing better crop of vines and forage.

**MIXED COW-PEAS AND SOY BEANS.** The beans, being of upright growth, support the long pea vines, and not only make the harvesting easier, but the combination of cow-peas and soy beans makes a better hay than either when grown alone, and they are easier to cure.

**LARGE WHITE BLACK EYE.** The dried peas are readily salable as table peas during the winter.

**WHITE, CREAM OR LADY.** Fine for table use. Very prolific.

**WHITE CROWDER.** An excellent variety for table use.

**BROWN CROWDER.** Clay colored, large size, of fine flavor.

## Mung Beans (Green Seeded)

Mung Beans grow in upright bush form, 2 to 4 feet high according to soil and climatic conditions. They have very heavy foliage, fine leaves and finer stems than any soy beans; a very important feature of Mung Beans is that the foliage is perfectly green and still growing when the seed is ripe and ready to be threshed. The hay cures quickly and may be threshed in 2 or 4 days after cutting, and it retains all the leaves. Threshed Mung Bean hay, properly cured, is equal to Alfalfa hay and is readily eaten by all kinds of live stock. This makes it possible to make from 5 to 20 bushels seed per acre for a money crop, besides obtaining at same time yield of 1 to 2 tons of very best quality hay high in protein. Matures in 70 to 90 days; harvest when majority of pods turns black. Best results with a mower and windrow attachment, or follow mower with side-delivery rake.

Mung Beans are a great soil builder, when properly inoculated. Use Nitragin. Sow 20 pounds seed per acre in 36 inch rows—cultivate until rows grow together too close to permit it.

## Velvet Beans

Makes an enormous growth for forage, also worth millions to the South as a soil builder.

**Makes Nutritious Fall and Winter Grazing.**—In the South, velvet beans are used very largely for winter grazing, and for that purpose is one of the best crops for the light soils and in the long season of the Gulf Coast and Florida. They should be allowed to grow until December, or until killed by frost, after which they can be grazed through the winter, as the vines, leaves and pods decay very slowly and remain palatable a long time. Early in the year, the crop remaining is plowed under as a soil improver, and adds very materially to the productiveness of the soil.

As a soil improver they are considered superior to cow-peas, as they make so much larger growth and so much heavier amount of foliage. The proportion of nitrogen contained in the vines is about the same as cow-peas, but as the yield is so much greater, the total amounts of nitrogen and humus added to the soil are correspondingly larger. A crop of three tons will add as much nitrogen to the soil as will a ton of cotton-seed meal, while the amount of humus will be three times as great.

**EARLY SPECKLED OR 100-DAY VELVET.** The most valuable of all varieties and the general favorite for all sections. This variety is the quickest grower and the most prolific. Matures in from 90 to 100 days. Sow in drills in May, one peck to the acre.

## Hand Corn Planters

Especially desirable for replanting corn, etc. Both styles, either the one-hand or two-hand planters are accurate, strong and durable. They can be set to plant two to six grains in a place as required; simple and easy to operate.

Price: One-hand planter \$1.75 each; two-hand planter \$1.25 each, f.o.b. Memphis. See Tool Page for correct prices.



Cow Peas are a favorite hay crop. They are also excellent for building up land.

## Canada Field Peas

Canada Field Peas are one of the best cover crops that can be grown; also excellent for hay. Resists the cold weather.

Sow in January, February and March, 60 to 90 pounds of seed to the acre with one bushel of oats.

## Jerusalem Artichoke

Fine for fattening hogs. They grow just like Irish potatoes. Every hog raiser should grow Artichokes; the hogs will harvest them without cost. Plant in 4-foot rows any time in March or April, dropping the cut pieces 18 inches apart in the row. They will produce 200 to 300 bushels to the acre. It requires 3 bushels to plant one acre.

## Chufas

An excellent hog-feeding crop, fine for light soils. Plant in rows, one peck to the acre, in April or May.

## Shell and Soup Beans

These are grown to use as dried beans during the winter. Plant in June and July using 15 to 20 pounds to the acre. Plant in 4-foot rows and cultivate well. All of the following varieties grow in a semi-bush form. One pound drills 150 to 200 feet of row. Be sure to inoculate this crop.

**NAVY BEANS.** The snowy whiteness and uniform size of a good true stock gives them preference over ordinary stock and puts the grower in a position to command a better price. Well selected stock also gives a better yield than the common run of Navy Beans. Do not make the mistake of planting too early for if planted too early the beans after harvesting will probably be buggy. The last of June or in July plant in rows 3 feet apart, dropping two or three beans a foot apart in the rows. Cultivate early, but not while the dew is on the foliage, nor after they begin to blossom, and do not cultivate deeply after they are three or four inches high. 15 lbs. will plant an acre.

**GREAT NORTHERN BEANS.** Beans slightly larger than the Navy Beans; snow white and of splendid cooking quality.

**RED KIDNEY BEANS.** The good old-fashioned cooking bean. Large size and of good flavor.

**PINTO BEANS.** Fine cooking bean, bears heavily.

**WHITE KIDNEY BEANS.** Standard variety of excellent quality and flavor.

Price any of above 5 varieties of Shell or Soup Beans uniform as follows: Postpaid, 1 lb., 25c; 2 lbs., 35c. Not prepaid, 1 lb., 15c; 2 lbs., 25c.

QUANTITY AND CURRENT PRICES ON ALL COW PEAS ARE GIVEN ON OUR GREEN INK LIST.





Sagrain Is Excellent for Silage and Grain.

### Cane for Fodder

**EARLY AMBER CANE.** One of the earliest sorghums and furnishes a large yield of most nutritious forage which may be fed either green or cured. If grown with cowpeas or soy beans the quality of the hay is improved and a more balanced ration may be had. The proportions recommended are 15 lbs. Early Amber Cane,  $\frac{1}{2}$  bushel of soy beans and 1 bushel cowpeas to the acre broadcast. Grows 10 to 12 feet high. Sow broadcast 1 to  $1\frac{1}{2}$  bushels to the acre; 8 to 10 lbs. plants an acre in  $3\frac{1}{2}$  to 4-foot rows.

**EARLY ORANGE CANE.** About ten days later than Early Amber Cane, but makes a taller and more leafy growth. It is recommended for fodder, of which it yields immense crops, frequently two cuttings a season, and stooling out thicker after cutting. It may be grown with soy beans and cowpeas as recommended for Early Amber Cane and the quantity to plant an acre is the same.

**RED TOP or SUMAC.** Grown extensively in Middle Tennessee. Succeeds well in this section. Very sweet and one of the best for hay.

### Yellow Milo Maize

A wonderfully drought-resistant, non-saccharine sorghum that makes a thick succulent growth of nutritious milk-producing forage. For fodder and ensilage, cut when in the dough stage; at this stage it has a feeding value practically equal to corn. Any good corn land will bring Milo Maize either for green feed, dry fodder or for the grain. It grows on all soils from sandy to heavy clay loam. Plant in  $3\frac{1}{2}$ -foot rows after the ground is thoroughly warm, and give it the same cultivation you would corn. Six to eight pounds will plant an acre.

### White Kaffir Corn

Kaffir Corn yields heavy crops. It adapts itself to a wide variety of soils; a long dry spell may stop its growth, but it starts again with the first rain. The grain as well as the plant makes fine feed for stock, hogs, poultry and pigeons. With Cowpeas, sow broadcast one peck of Kaffir Corn to a bushel of peas; sown alone, 3 pecks to a bushel an acre broadcast; in drills 6 to 8 pounds an acre in  $3\frac{1}{2}$ -foot rows. Plant from after the ground is thoroughly warm till early in June.

## SAGRAIN

Grows on land you can't plant to other crops; thrives in low places that usually drown out. Produces from 8 to 20 tons silage, or if left to ripen will produce from 50 to 75 bushels grain (about double corn yield), and 4 to 8 tons cured hay; has heads like Kaffir. Usually weighs about 7 ounces and the average ear corn weighs 8 ounces. In feeding value has 90% value corn; can be fed to hogs, chickens, cattle and work stock. Plant as early in the spring as frost will allow. Will then be ready to harvest when the crops are laid by, usually along about August 1. Splendid in combination with Biloxi Soy Beans.

Plant in  $3\frac{1}{2}$ -foot rows. Cultivate a couple of times and thin out, leaving a stalk every 8 inches apart. Use a common sorghum or pea plate. We do not recommend broadcast planting. Can be best harvested with corn binder, shocked like oats until cured. Six to eight pounds will seed an acre, planted in 3 to  $3\frac{1}{2}$ -foot rows. From each seed planted you get from 6 to 10 heads of grain as it stools out and should be left very thin in drill.

**303-33.** An improved strain, a dwarf selection of the original Sagrain, with heavier head. Stalks grow stocky, dwarf and very uniform. You will find it a great improvement over the regular strain.

## SORGHUM

**CULTURE.** Plant when the ground becomes thoroughly warm, say two weeks after corn planting, on a rich, well drained clay loam, in rows  $3\frac{1}{2}$  to 4 feet apart, and cultivate as you would corn. After the flowering stage is passed, but not earlier, it may be pastured or cut for fodder. Sorghum may be grown with cowpeas and soy beans either in rows or broadcast.

### CANE SEED FOR SORGHUM

#### Special Warning on Sorghum Cane

**NON-WARRANTY.** Owing to the peculiar hybridization of syrup cane varieties, it is impossible to guarantee any of the varieties here listed. We have selected all the syrup cane varieties on our list with best possible care, but at the same time do not guarantee that they will come true.

All orders for syrup cane varieties are therefore accepted only on these conditions.



Japanese Honey Ribbon Cane

### JAPANESE HONEY RIBBON

**CANE.** For making syrup this variety has no equal. It has been yielding from one hundred to two hundred gallons per acre. It makes a syrup of bright amber color and of fine flavor. The stalks grow from 12 to 15 feet high, the seed are carried in a sprangling type head, are red, rather flat shaped and most of the hulls remain on the seed when threshed. With its large foliage makes one of the best varieties for ensilage.

For making syrup, cut just before the heads ripen, at which stage the sugar content of the plant is greatest.

Japanese Ribbon Cane matures ready for the mill in about 130 to 140 days. We, therefore, advise planting as early in May as possible. One gallon of seed will drill one acre. Cultivate like cotton, leaving plants about 10 to 12 inches apart in the row.

**SUGAR DRIP.** It makes a large, juicy and succulent growth. It will yield about 65 per cent of the weight of the cane in juice. One of the most desirable syrup varieties.

**QUANTITY PRICES ON SORGHUM AND OTHER SEEDS DESCRIBED ON THIS PAGE ARE GIVEN ON OUR GREEN INK LIST ENCLOSED.**

### 2% Ceresan Seed Disinfectant

America's premier agricultural disease treatment. Use 2% Ceresan for Sorghums, Millets, Milo, Kaffir and Sagrain. It kills external diseases and gives you better stands, as well as allows earlier plantings. This is a remarkable preparation and the results will be an agreeable surprise. Don't fail to use Ceresan on all of your seed grains before planting. 1 lb. can, 70c; 5 lb. tin, \$3.00. Postpaid, 1 lb., 80c; 5 lbs., \$3.20.



## Seed Peanuts

Prepare the ground well, laying off in rows with a shovel plow; the rows should be 3½ feet apart, and put two kernels to the hill, hills about one foot apart. One and one-half bushels of unshelled nuts will seed an acre. Crack or break the hull before planting.

**TENNESSEE LONG RED.** Especially adapted to this section. The nuts contain three large kernels in each and are enormously productive.

**IMPROVED WHITE VIRGINIA.** These are uniformly large, and when grown on light sandy land will produce nuts of that bright attractive appearance demanded by the best trade.

**SPANISH PEANUTS.** Although not as large as other kinds there is no peanut grown that so entirely fills the pod or can compare with it in sweetness and flavor.

## Broom Corn

**BLACK SPANISH BROOM CORN.** Very desirable on account of its good length and its uniformly straight straw and color.

**EARLY JAPANESE BROOM CORN.** Matures two weeks earlier than any other sort. Straw is long and of finest quality; sold last fall for \$250.00 and more per ton.

**IMPROVED EVERGREEN BROOM CORN.** An excellent variety of good length; has fine straight straws. Sow in April, one gallon to the acre.

**SCARBROUGH DWARF BROOM CORN.** A new variety of Dwarf Broom Corn, the straw is erect, very straight and uniform in length. It always brings top prices on the market.

## CROTALARIA Spectabilis

This is truly a marvelous summer cover crop, a yield of 40,000 pounds of green material per acre is not uncommon. The humus produced by such a yield is of tremendous value. **More important still,** Crotalaria is a legume adding, when turned under, the equivalent of 800 pounds of Nitrate of Soda per acre (3-year test Florida Experiment Station showed 885 pounds average).

Crotalaria has succeeded all over the South, and as far north as Indiana. It is not a host to injurious insects and diseases. It will reseed itself under favorable conditions, but is not a pest and can easily be eradicated. Splendid soil builder in orchards, etc. Fine with corn planted in same rows when corn is planted, or in corn and other farm crops at last cultivation. It will just about double crop yields following it.

It is not offered as a feed crop, or hay crop, though a nearby farmer tells us his mules ate it readily. But it is really too valuable as a fertilizer to feed. It will reclaim worn-out hillsides, gullies, etc.

Thoroughly plow, disc and harrow the soil. Sow after danger of frost is past, when moisture is present, 10 to 15 lbs. per acre broadcast or 5 lbs. drilled in 3 foot rows, using scarified seed only as with Sericea. Firm the soil immediately after planting to conserve the moisture, cultivate once or twice when planted in rows.

Louisiana (Baton Rouge) Experiment Station for 1929 to 1933 reports 5 year average yield of 22 tons green manure per acre and 169 lbs. nitrogen, equivalent to 1000 lbs. 16% Nitrate Soda.



Crotalaria is a true soil builder.

## Dwarf Essex Rape

This splendid crop has at last come into its own—larger and larger acreage being planted every year. The reason—it is a most excellent pasture and green forage crop for cattle, hogs, sheep and stock. It is high in feeding value, producing an abundant flow of milk in milch cows (feed rape to milch cows after milking, not before, to avoid slight cabbage flavor to milk).

Experiments show that Rape is a more efficient fattener and more economical feed for hogs than Alfalfa, Clover or Blue Grass. It will stand more cold weather and last longer in the fall than any of the grasses. One acre of Rape will pasture 8 to 10 sheep, other animals in proportion. Turn stock in when plants are 8 inches high. To avoid possibility of bloating, accustom stock to Rape gradually, pasturing after dew is off. Feed dairy cattle and sheep a full feed of grain for the first week or two before pasturing Rape, and provide salt at all times.

Rape can be cut and fed green. Cut about 4 inches above ground, first time when plants are a foot high, just enough for a day's feed at a time. When you expect to cut and feed green, Rape should be planted in rows and cultivated 2 to 4 times.

Rape will grow 1½ to 3 feet tall—grows very rapidly—ready to use in 8 weeks. Prefers a rich mellow soil, will do well on most fairly good soils except sand or stiff clays. Needs plenty of moisture to start. Plow deeply, disk well and harrow thoroughly. Can be sown with spring grain or in combination with clover. Sow in drills 4 to 6 pounds—broadcast 10 to 15 pounds per acre, about 1 inch deep. Sow from August through April.

## Winter Rye

Sow from Aug. 25th until middle of November.  
**ABRUZZI RYE.** A distinct variety, far better than any other, in that it grows very much faster and stools much heavier, which means doubling the amount of grazing on an acre. You can start grazing earlier after sowing and keep it up longer. Three pecks to one bushel abruzz plants an acre against 5 to 6 pecks of other Rye—this makes Abruzzi cost less to plant, yet you get more in return.

## Winter Sand or Hairy Vetch

One of our best Winter Legume and green manure crops. Rarely ever winter killed in the South. Grows on almost any well drained soil, thrives on sandy soil, needs a fair amount of moisture to start, but endures considerable drought. Sow in September and October in cotton middles, or with Rye, Wheat, Oats or Barley, as Vetch grows better if kept off the ground. Can be turned under in time to plant cotton or corn—a wonderful soil builder, **when inoculated**, a fair feed crop and grazing crop. Inoculate with Nitragin. Sow 15 to 30 pounds per acre, not too deep, have surface well worked and compact, also free of weeds. Price made in July.

## Hungarian Vetch

Not as winter-resistant as Hairy, but nearly so. Does not grow as tall as Hairy, but its tonnage will surprise you. Grows off quicker in spring than Hairy, is more disease-resistant, and experiment station reports in Mississippi indicate it stores even more nitrogen in the soil than Hairy Vetch. Seed are cheaper per pound than Hairy but being larger, you must plant more per acre. Culture same as Hairy Vetch. Be sure to inoculate. Price given in July.

## Austrian Winter Peas

Sown for same purpose as Vetch in September and October. Grows much like an English pea, upright, and is ready to turn under a little earlier than Vetch. Not as winter-resistant as Vetch but usually stands 12" above zero. Sow 30 to 40 pounds seed per acre in cotton middles. When sown broadcast with grain use 25 pounds Winter Peas and 3 pecks Abruzzi Rye or 1 bushel Wheat or two bushels Oats per acre. Be sure to inoculate with Nitragin. Price given in July.

## Winter Barley

Sow from Sept. 1st to Nov. 15th 1¼ bus. per acre.

**BEARDED.** The Standard for years in the South as a grazing crop and much relished by all stock.

**BEARDLESS.** Bred from bearded and most of beards removed, usually about 85% beardless, which makes it better to cut in dough stage for feed. Equally good for grazing.





## New Method of Plant Protection

Be the first with a spring Garden. Protect your plants against weather and insects with HOT-KAPS. Have vegetables and flowers weeks earlier.

Germaco Hotkaps are patented wax paper cones that completely cover each plant—the only way to fully protect them from frost. They are an "individual hot-house for each plant," protecting them not only from frost, but from wind, rain, ground-crushing, and insects as well. This is your assurance of earlier, bigger crops, and early-to-market prices.

Germaco

# Hotkaps

## Give Your Garden a Good Start with HOTKAPS

They are miniature greenhouses. Cover small plants such as tomato, pepper and egg plants, or cover hills after the seed has been planted in Cantaloupe, Cucumber and Squash.

Prices Home Garden Package 25 Hotkaps and cardboard setter, 50c; by mail, 60c.

Special, 100 Hotkaps with garden setter and tamper, \$2.40; by mail, \$2.60.

Special, 250 Hotkaps with garden setter and tamper, \$3.65; by mail, \$3.90.

1000 Hotkaps without setter, \$9.75.

5000 Hotkaps without setter, \$47.50.

Garden setter alone, 50c; mailed, 60c.

Steel Setter and Tamper, \$1.50; by mail, \$1.75.

Steel Tamper alone, 25c; mailed, 35c.

2%  
CERESAN  
used on  
COTTON  
SEED

prevents  
diseases such as  
leaf spot, wilt,  
and anthranose.  
Makes possible  
earlier planting.

The use of  
2% Ceresan  
on your seed  
is equal to  
delinting methods  
and much  
lower in cost.

1 lb. 70c  
treats 5 bushels  
5 lb. can \$3.00  
by mail  
1 lb. 85c;  
5 lbs. \$3.25

**Oldest and most Widely Used Inoculator in America**  
NOW SELLS FOR **55¢** per 1 bu. size  
**Alfalfa and Clover**



Established in 1898—The Original Legume Inoculator

Expiration Date — High Bacteria Count —  
Approved — Tested and Guaranteed

**DRASTIC  
PRICE  
REDUCTIONS**  
Lowest in  
NITRAGIN  
History

## NITRAGIN INOCULATION PRICES

• When Ordering, ALWAYS State Name of Seed •

**Culture Group "A"**—ALFALFA and SWEET CLOVERS (including Hubam) and Bur Clover.  
**Culture Group "B"**— CLOVERS, MEDIUM RED, Mammoth Red, Alsike, Crimson and White Clover.

½ bu. size 35c ea.; 1 bu. size 55c ea.; 2½ bu. size \$1.20 ea.

**Culture Group "L"**—All varieties of Lespedeza—Unhulled or Hulled. Unhulled requires only 1 bu. size. Hulled requires 2 bu. size. 1 bu. size 35c ea.; 2 bu. size 55c ea.; 5 bu. size \$1.20 ea.

**Culture Group "S"**—Soy Beans. All varieties.  
**Culture Group "E"**—PEANUTS, COW PEAS, LIMA BEANS, VELVET BEANS, Kudzu, Crotalaria and Beggar Weed.

1 bu. size 35c ea.; 2 bu. size 55c ea.; 5 bu. size \$1.20 ea.; 10 bu. size \$1.75 ea.; 25 bu. size \$3.75 ea.

**Culture Group "C"**—VETCHES (Hairy, Spring, Wild) AUSTRIAN PEAS, Canadian Field and Garden Peas, Broad Beans, Sweet Peas and Lentils.

**Culture Group "D"**—Field and Garden BEANS (Navy, Kidney and Scarlet Runner Beans). ½ bu. size 30c ea.; 1 bu. size 45c ea.; 1½ bu. size (100 lb. size) 65c; 5 bu. size \$1.85 ea.; 12½ bu. size \$4.25 ea.

### NEW GARDEN SIZE

For Garden Peas, Beans, Sweet Peas, Lima Beans, and Lupines. Inoculates any amount up to 4 lbs. seed. Price each.....

**10¢**

**Remember . . . . .**  
**Legumes NOT Inoculated are "SOIL ROBBERS"**  
**Legumes WELL Inoculated are "SOIL BUILDERS"**



# Russell-Heckle's Field Seed Corn

Seed corn produces best results when planted under climatic and soil conditions similar to those under which it was originally produced. Our seed corn is produced in localities where each variety is at its best. With corn, as with other crops, no one variety has all the best qualities. No one variety is best suited for all soils and conditions. Plant corn suited to your locality. Southern varieties usually make best yields in the South, but for those who want quicker action we are prepared to supply the best Northern and Western varieties.

## Top Notch Brand Corns

Selected from high-yielding fields of well matured crops. Every ear hand selected, hand nubbed and hand tipped before shelling, then graded and cleaned. All this selection and handling is done by men who know seed corn. Result—satisfied purchasers and improved crops.

Top Notch Brand seed corns cost a trifle more than ordinary machine graded corns, and are worth it. If the difference were \$1.00 per bushel, that would be just 12c to 15c per acre additional cost. An additional yield of **one peck** per acre from Top Notch would equalize that. We believe you can expect 10 to 30 extra bushels per acre with Top Notch.

## Top Notch Paymaster

We endorse this corn as one of the most satisfactory and heavy yielding corns for Southern farms. Bred in Tennessee, its excellence reached the point where seventy-five percent of all the corn planted in the State of Tennessee is reported to be Paymaster. Paymaster is now planted all over the South. White grain, cob bright red; mostly two ears to stalk, ears well filled to end. A tall variety making good ensilage, maturing 100 to 115 days. **Postpaid, 1 gallon, 60c.**

## Top Notch Tennessee White Red Cob

An extra large field corn; grains long, white, broad and evenly lined on large red cob. The ears of this sort will run from 9 to 12 inches long and have from 18 to 20 rows. The stalks grow from 8 to 12 feet high, are broad, strong and short-jointed, it makes one of our best ensilage corns. Matures in 120 days. **Postpaid, 1 gallon, 60c.**

## Top Notch Hickory King

The white grain is so wide and deep and the cob so small that often a single grain will cover the end of a broken cob. It has been called the Poor Man's Corn because it can be depended upon to produce a crop on poor, thin land. On good land it bears two ears to the stalk. **Postpaid, 1 gallon, 60c.**

## Top Notch Tait's Early White Dent

The stalk is short and thick. The ears grow long on the stalk, from 7 to 9 inches in length, almost parallel throughout, of medium size, averaging 14 rows of grains, and will mature in 90 days. The grains are pure white, compact and heavy. The cob small. **Postpaid, 1 gallon, 65c.**

## Top Notch Silver Mine

Ears measure from 10 to 12 inches in length. They are very uniform in size and shape, 16 to 20 straight rows of deep, pure white kernels on a small white cob. Matures in 100 days. **Postpaid, 1 gallon, 55c.**

## Top Notch White Dent

White grains, slightly dented, medium size white cob, ears good length, well filled. Maturity 90 days. An old standby for late planting. **Postpaid, 1 gallon, 55c.**

## Top Notch Mosby's Prolific

One of the most prolific corns in existence; the stalks are tall, bearing 2 to 5 fine ears. The grains are long, set close to a small white cob, very uniform in shape, well filled. Another important feature of this fine corn is its abundant foliage, which renders it superior to most sorts for ensilage purposes. This is a southern corn, and is recommended for general crop. It is pearly-white, small cob, deep full grain, neither too hard nor too soft. Matures in 110 to 120 days. **Postpaid, 1 gallon, 60c.**

## Top Notch North Carolina Prolific

A beautiful white prolific corn. Matures in about 115 days. Well adapted to both field and table purposes, just flinty enough for milling the most beautiful meal. Some of the largest yields of corn ever made in the South have been made with this prolific corn. **Postpaid, 1 gallon, 60c.**

## Top Notch Hastings' Prolific

It will make two ears to the stalk on average land, and if planted 24 to 30 inches apart in the row on good strong land, four to six ears to the stalk can be had. The ears are well filled at both ends; the cob is small; the shuck is heavy and covers the ear tightly, protecting it from birds and insects. Matures in 120 to 130 days. **Postpaid, 1 gallon, 60c.**

## Top Notch St. Charles White Red Cob

The ears are large, both in length and circumference. The grains are deep and firmly set in a medium large red cob. Matures in about 100 days. **Postpaid, 1 gallon, 55c.**

## Cro-Tox Bird and Crow Repeller

A clear tar-free liquid that will not clog or gum the planter. Corn seed treated with tarless crow repeller, keeps black birds, crows, doves, squirrels and moles from molesting it; also prevents seed rot, non-poisonous and non-injurious to the seed, saves seed and replanting. 1 bu. size, 60c; 4 bu. size, \$1.50. **Postpaid, 70c and \$1.65.**



# R. H. Co.'s Top Notch Seed Corn

## Top Notch Jarvis Golden Prolific

This is one of the finest ears for this section on our list. A natural drought resisting variety, one of the few varieties of Yellow Corn that produces more than one ear. It is hard enough to withstand any kind of weather in the fall. Crops have been left in the field until early spring and then came out good, sound corn.

A native southern Yellow Corn, carefully bred, and one that bears two good ears to the stalk. The stalk is rather dwarf, 6 to 8 feet high, and does not fall down in stormy weather. Grains are bright golden-yellow; ears are firm and solid, about 7 to 10 inches long. The grain is medium in size. This is a very productive and desirable variety, and is drought resistant.

Our seed is all carefully selected. It will please you.

Postpaid, 1 gallon, 60c.

## Top Notch Early Yellow Dent

Yellow grains, medium size red cob, ears good length, about 90 day maturity. One of the popular varieties, for late planting particularly.

Postpaid, 1 gallon, 55c.

## Top Notch Large Golden Dent

Large golden grains, big ear, red cob, medium size. Maturity about 100 days. Extremely popular everywhere.

Postpaid, 1 gallon, 60c.

## Top Notch Gold Mine

A dandy big eared yellow corn that succeeds well in this section. Grains medium long, bright yellow and set on medium to large size ear about 8 inches in length. Does well on good uplands. Matures in about 105 days.

Postpaid, 1 gallon, 55c.

## Top Notch Mexican June Corn

Our native grown selected strain. This dependable variety, largely planted late in the spring throughout the entire Cotton Belt, originally came from Mexico. It is largely used for planting after oats and wheat and can be planted as late as August 15th with good results. The stalks are usually short, although early plantings make stalks 12 to 15 feet high, leaves 4 to 6 feet long. The roots run deep and spread, so that it is a splendid drought resister. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob with white and some blue grains. This apparent mixture of color is peculiar to many varieties of Mexican Corn.

Postpaid, 1 gallon, 60c.

# Russell-Heckle's Celebrated HARPETH RIVER SEED CORNS *Tennessee Bred and Grown*

We are proud of our Harpeth River Seed Corns. They are selected and handled right; they are what seed corns should be, and you will agree when you see them. Each bag is from hand selected ears, hand-nubbed and hand-tipped before shelling, then graded and cleaned, just as we do with our famous TOP NOTCH brand corns.

Harpeth River seed corns established a reputation thirty years ago in the days of the late Col. Joe Ullathorne, who first introduced them. They were his pride then—they are ours now.

Harpeth River Seed corns cost a trifle more than ordinary commercial seed corns, and are worth it. If the difference in cost were \$1.00 per bushel, that would be just 12c to 15c additional cost per acre for seed; you should gather ten to thirty extra bushels per acre with Harpeth River corns, for "like produces like."

Every bag is plainly printed, "Harpeth River Seed Corn." Buy only the genuine. Obtainable in the following varieties (see descriptions under Top Notch Corns):

- Harpeth River Champion White Dent.
- Harpeth River Early Yellow Dent.
- Harpeth River Large Golden Dent.
- Harpeth River Hickory King.
- Harpeth River Jarvis Golden Prolific.
- Harpeth River Paymaster.
- Harpeth River Tennessee Red Cob.
- Harpeth River Hastings Prolific.
- Harpeth River Mosby Prolific.

Prices on above are given on our Green Ink List.

## Pop Corn

We can supply the following varieties. Prices uniform as follows: Postpaid, ½ lb., 20c; 1 lb., 35c. Not prepaid, ½ lb., 15c; 1 lb., 25c.

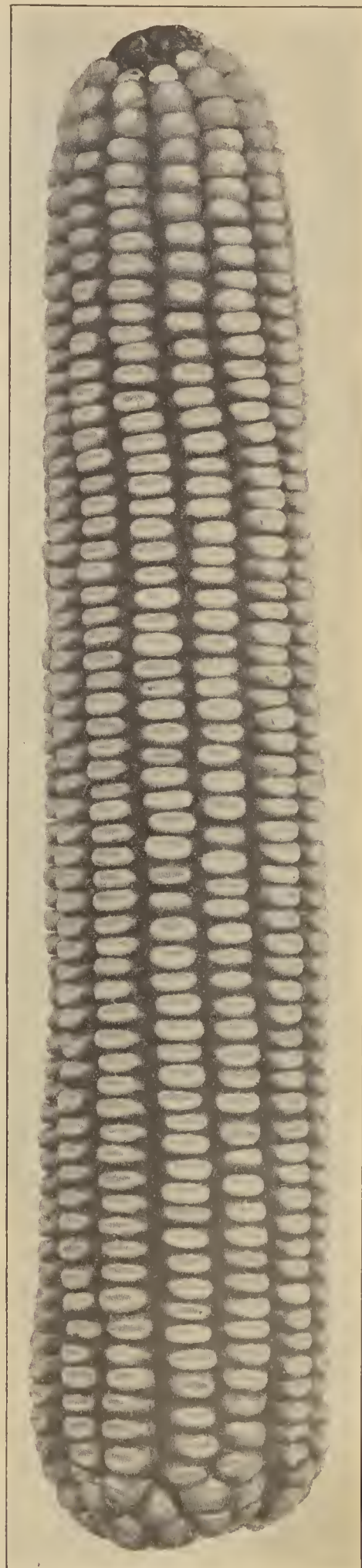
**BABY RICE or JAPANESE HULLLESS**  
**SOUTH AMERICAN YELLOW DYNAMITE**  
Quantity Prices on Green Ink List.

## New Improved Semesan Jr.

is used as a dust disinfectant to control the ear, root and stalk rots of corn. In tests conducted in both Illinois and Iowa by the Federal and State governments, **SEMESAN JR.** increased yields from diseased seed by varying amounts up to 38%.

**NEW IMPROVED SEMESAN JR.** is applied only as a dust, at the rate of three ounces per bushel of seed. The cost therefore is only about 5c an acre of field corn. Send for **SEMESAN JR.** Corn Pamphlet with full directions.

Price, 4-oz. tin, 35c; 1 lb. tin, \$1.00; 5 lb. tin, \$4.75. Postpaid, 45c; \$1.10; and \$4.95.



Harpeth River Jarvis Golden Prolific





## Pure Bred Seed Are Half the Battle

Higher and higher yields are possible for you if you take advantage of the tireless, painstaking scientific work that is constantly being carried on by the most efficient cotton Experiment Stations in the various States. Old varieties are being constantly improved through new strains, and new varieties are being developed—all of which mean more money in your pocket if you sell your old seed to the gin and plant each spring one of the pure-bred high yielding strains described herein.

We keep constantly in touch with this work all over the South, and as soon as a new variety has proven its worth and its seeds are available in commercial quantities, we offer them to our customers. We buy from breeders direct, and from growers who get breeders' stock and plant an entire plantation in one variety, and gin on their own private gin. Even our Half & Half Cottonseed is privately ginned, grown from originator's stock last spring.



A Typical Field Our D. P. L. No. 11 Cotton

## Increased Yields Possible

With some form of acreage control or cotton production control in prospect for the next few years, it becomes more and more important to produce the **most** cotton on the **least** acreage. You can help a lot by planting winter le-

gumes and turning them under, and by more thorough cultivation of your growing cotton crop, but bear in mind, first and foremost—**PURE BRED SEED IS NECESSARY**. Treat seed with 2% Ceresan and make larger crop.

## Machine Culled, Graded and Cleaned

After trying out all the cotton seed cleaners on the market, we felt better work could be done and built one of our own. Results have justified the expense. We take out hulls, loose cotton, trash, dirt, light weight immature seed. You would be amazed at what we remove from a ton of seed, even when the seed looks very clean at first glance.

Therefore, the seed we ship is plump, full weight uni-

form seed, clean of all trash; easy to plant, no clogging of planter which means a uniform stand of strong, vigorous plants (plump heavy seed produces strong plants, light weight seed produce weak, sickly plants, and we remove them). Our culled and graded seed requires less seed per acre to obtain a stand, which is a saving, and they produce more cotton per acre, which means more profit to you.



## D. P. L. No. 11 Cotton

Our grower in the Delta averaged over 1½ bales per acre on his entire crop of about 1200 acres this past year, and on one plot of eighty acres, over 2 bales per acre. Think of it! His seed direct from the originator.

This past year D.P.L.-11 made sensational yields almost everywhere, both at the various experiment stations and on farms and plantations wherever planted, both in hill sections and in the Mississippi Delta; add to such outstanding yields in the fields, its large lint outturn at the gin, 40 to 42%, and staple length of 1 inch full to 1½ on good soil, then you begin to realize why this cotton is so popular—it really "pays off." Vigorous plant, early maturity, picking qualities good, storm resistance good, quite resistant to wilt.

## D. P. L. No. 10 Cotton

The grower of our D.P.L. No. 10 cotton seed picked and ginned on average of slightly over 1½ bales of lint cotton per acre on his entire plantation of about one thousand acres for 1934, 1935 and 1936. No wonder he has stuck to this variety, bought direct from originators.

D.P.L. 10 has a vigorous and spreading plant, very resistant to wilt, 36 to 38% outturn at the gin, lint length 1 to 1½ inches, bolls large, 65 to 75 to the pound; early maturing, picking qualities excellent, storm resistance good.

Very resistant to wilt.

## Stoneville 4-A Cotton

Our seed of this variety from one of the best known growers in the Delta section of Arkansas—one of the organizers and a former President of the Arkansas Pure Seed Growers' Assn. His entire plantation is planted to this variety, his seed coming direct from the originator. Our growers crop lived up to the claims made for this strain by the originator as an outstanding extra early, big boll cotton for very fertile soil, making about the biggest yield the plantation has yet produced.

A dwarf, rather spreading plant, extra big, round boll, 50 to 60 to the pound; very prolific yielder, with lint outturn of 35 to 38 on hill land; 33 to 35 on valley land, staple of 1 inch to 1½ inch on good soil, storm proofness excellent, foliage medium, resistant to wilt. Very popular in North half of Arkansas and Southeast Missouri. Enormous yields have been obtained on uplands, with narrower rows and reasonably thick spacing, and some fertilizer if very thin soil.

## Missdell 4 Cotton

We agree with the originator of the famous Delfos cottons that Missdell 4 is the best all around staple cotton yet produced; and our strain is an improvement and refinement of the original variety. Our grower produced slightly over a bale and a quarter per acre for three years straight on 1100 acre plantation. What a boost for pure-bred seed and this variety in particular.

Type dwarf and hardy, and about the earliest cotton grown—gets off quickest of any on heavy black land, where it averages 34 to 37% lint percentage and 1½ to 1¾ inches length; on hill land 36 to 40% outturn and 1½ to 1¾ inches staple.

## Belpress No. 3-35 Cotton

Our grower of this cotton located in North Mississippi Delta, planted an entire place in pedigreed seed of this strain. He wanted a wilt-resistant variety, and he got without a doubt the best wilt resistant variety known today.

Belpress is storm resistant, but unlike its Express parent, has fine picking qualities, light foliage, open vigorous type, very early maturity, 65 to 70 bolls make a pound, lint percentage 33 to 35% in Delta, 35 to 38% on hill land. Staple 1½ to 1¾ hill land; 1½ to 1¾ on Delta soil. Excellent for thin or badly diseased soils, and a very high producer.

Only a limited stock of these seed available.

## COTTON SEED PRICES

All cotton seed described above are quoted in our Green Ink List.

## Originator's D. P. L. No. 11-A Cotton

(Delinted—Sacked in Originator's Bags)

The plantation of the Delta & Pine Land Company of Mississippi, at Scott, Mississippi, is in itself the largest cotton plantation in the world.

With this tremendous investment at stake the management early realized the necessity of not only having the best and most efficient equipment that money could buy, the most experienced and highest trained men money could hire, but that it was absolutely essential the most productive and perfect type of cotton should be planted.

In order to improve old varieties and if possible to develop superior new varieties, the Company, twenty years ago, established its own Experiment Station on the property at Scott, Mississippi, in every way comparable with the best Government stations.

After years of cross breeding and selection, the first distinct variety was produced and acclaimed throughout the entire cotton belt as the best cotton of its day. Never satisfied, however, the experts

of this great Company strive each year for something a little better. The entire resources of its Experiment Department are devoted to the exclusive development of BETTER COTTON.

The culmination of twenty years of seed breeding is embodied in D.P.L. 11-A, hard and wiry staple from 1 inch full to 1½ inch full when grown on better soil; exceptional spinning value, commands substantial premiums, early, storm proof, disease resistant, medium foliage, marvelous lint yield (39 to 44%), nice boll, mostly five lock.

## D. P. L. Cottons Don't Quit

They will stand more drought and abuse and keep right on growing and fruiting than any other cotton in existence.

## Stoneville No. 5 Cotton

Our grower of this variety owns one of the big plantations in North Mississippi Delta—planted a car of pedigreed Stoneville 5 on one entire place. Outworms took his first planting and was very late setting crop up to a stand—was considerably worried but he's smiling now—Stoneville 5 produced a splendid crop of cotton for him.

An extra early semi-dwarf type, light foliage with large lint outturn, 38% to 40%, big boll, 70 to 75 per pound, length 1½ to 1¾, picking

qualities good, storm resistance excellent, picks easy, produces a good strong staple on poorest hill lands.

Ranks right close to D.P.L. 11, and one of the best cottons for upland soil conditions. Splendid for North Arkansas and Missouri, popular everywhere.

## Delfos 531-A Cotton

An extra long strain of Delfos for extra fertile soils. In lower Delta produced same length as Wilds cotton on same plantation in 1935, yet very much earlier, therefore, very much safer. Our seed produced in Delta section of Mississippi County, Arkansas, from pedigreed seed, ginned on private gin—never plant any public ginned seed, particularly extra long staple where slightest mixture is fatal. Staple length 1½ to 1¾ inches.

Only very limited stock of these seed available.

## Coker's Foster 6 Cotton

One of the most popular cottons bred by Coker Pedigreed Seed Farms in Carolina and has given splendid results in Delta section of Arkansas—here's why: very small stalk, open growing, small leaves let the sun in for extra quick maturing. Bolls large, 68 to 70 per pound, open wide and fluffy, picking quality good, staple 1½ to 1¾ inch, very prolific. If your soil grows too much weed, try this cotton. Our seed direct from Coker last year, privately ginned—only small amount available.



Stoneville No. 5 Cotton



# Summerour's Half and Half Cotton

Direct from the Originator in his own printed bags—every bag already treated with 2% Ceresan.

So many requests came to us from our customers for the originator's seed that in 1936 we put it in stock, and in spite of its high price we had orders for over three thousand bushels—more than we could supply. We will therefore stock it again this year—Order early so you won't be disappointed; we sold out last year before season had half started.

## Here is Mr. Summerour's brief description—

"It has a strong, vigorous stalk, with medium size leaves and many fruit limbs which begin to fruit



Summerour's Half and Half

early and rapidly. It opens as early as the earliest types. The bolls are medium size, mostly five lock, averaging from fifty-five to sixty per pound. Most of the bolls are round like a ball. The seed are very small and will plant a great deal more per bushel than most other varieties. It is a hardy cotton; stands the cold spring better than the average cotton, and on account of its extra-rooting system, its drouth-resistant qualities are remarkable."

## SUMMEROUR'S Hi-Bred Cotton

We have a very limited amount only of Mr. Summerour's New Hi-Bred Cotton Seed. The same general excellence as his Half and Half.

### Mr. Summerour sent us a few of his late gin records:

Weight Seed Cotton	Weight Bale	Percent Lint	Weight Seed Cotton	Weight Bale	Percent Lint
1,085	532	49.0	1,025	525	51.2
1,050	517	49.1	1,100	510	46.3
1,120	546	48.8	1,310	638	48.7
1,145	566	49.5	1,025	518	50.5
1,180	578	49.0	855	437	51.1
1,100	540	49.0	975	507	52.0
1,090	525	48.1	1,050	522	49.7

Letter after letter to Mr. Summerour from his customers scattered all over the South show they obtained same lint percentages. We shall be glad to quote you prices on Genuine Summerour's Half & Half.

## Half and Half Cotton (Ginned on Private Gin)

Just what we have been trying to obtain so long—pure Half and Half, privately ginned, that we could see at reasonable price. A big plantation company in Arkansas planted their entire crop the past Spring in Summerour's Half and Half seed direct from the originator in Georgia, having their own gin, and ginned for no outside people. By the way the seed for the entire plantation were treated with 2% Ceresan, with such splendid results that they say they never expect to plant a row of cotton without treating the seed with 2% Ceresan. The reason—freedom from all the various fungus and other plant diseases that damage cotton every year, causing plants to shrivel and die consequent poor stands and poor yields, 2% Ceresan treatment brought almost a perfect stand and a truly wonderful crop.

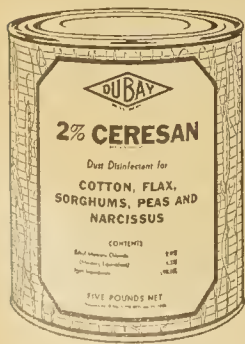
Half and Half is probably the most "cussed out" cotton known. Experiment Stations over here do not recommend it and cotton mills claim it is too short to be desirable. In spite of this, farmers demand this variety in hill sections, and make a good living out of it year after year. They receive almost as much per pound for the lint as for other short cottons, and a whole lot bigger turn-out at the gin. The originator claims from 45% to 50% lint.

The seed are uniform in size and color and free from the little black linters seed that are so prevalent and so troublesome in the usual Half and Half ginned on public gins. We are proud to offer these privately ginned seed.

Dusting cotton seed with 2% Ceresan increases the yield. It makes working acres out of loafing acres.

This treatment costs less than having your seed delinted; is more effective in getting a better stand besides destroying diseases. You certainly cannot afford to miss dusting your cotton seed with 2% Ceresan this Spring.

1 lb. treats 5 bushels, 70c; 5 lb. tin, \$3.00; by mail, 1 lb., 80c; 5 lbs., \$3.20.



## Imp. Rucker Big Boll Cotton

This is another Georgia developed variety that has made many friends over here, and the description below tells why. Rucker has a decidedly big boll, and is a very quick making cotton; the plant is small and light foliage allows sunlight to get in. Cotton pulls about 1 inch with a good grade of fibre, picking qualities very good, gin outturn average 40 per cent.

Our grower obtained his seed this last spring from the originator and look what he did—picked 111 bales from one field of 72 acres before end of October. Our seed ginned on private gin, seed very uniform, small, and go a long way in planting.

## Rowden 1049 Cotton

Our seed of this variety were produced on rich, Delta soil in Mississippi Count, Arkansas. Plenty of moisture and pedigreed seed obtained from Experiment Station made possible an enormous crop—better than a bale per acre. Fine grade of tough texture line of full 1½ staple brought a good premium in price, making a most profitable crop. Our grower expects to plant his entire place in Rowden 1049 again next spring for this improved strain has brought him improved money returns per acre for past two years.

A very big, round boll variety, 63 bolls to the pound, the kind that pickers like to pick, yet extremely storm proof; line percentage 34 to 36; 1 to 1½ inch staple, early maturing and a wilt resistant variety. The prettiest big white seed of any variety we know.

## "AERO" CYANAMID

GRANULAR "AERO" CYANAMID is a concentrated fertilizer material, containing 21% nitrogen and 70% hydrated lime. In other words, one ton of AERO Cyanamid supplies 420 pounds of nitrogen and 1,400 pounds of hydrated lime. AERO Cyanamid is ideal fertilizer for your cotton. It will increase your yields. Prices on request.





R.-H. Co.'s Frost-Proof Cabbage Plants

These plants are grown in the open field during the fall and winter months, which causes them to make a slow, tough, hardy growth—so hardy that the outer leaves turn to a reddish brown. They can be shipped to distant points without danger of spoiling, and should be planted in the open ground from four to five weeks earlier than frame plants.

Orders filled from January 15th to April 15th. We do not advise planting later.

Plants will be shipped promptly after order is received if weather conditions permit. If plants do not arrive as soon as you expect them you may know that conditions beyond our control are causing the delay.

No plants shipped C. O. D. We will mail these plants at the postpaid prices named below or will ship by express collect either from Memphis or from growing stations. All plants must be paid for in advance. Please do not ask us to break this very necessary rule.

We Can Supply the Following Varieties

	Postpaid			Not Prepaid	
	100	500	1,000	500	1,000
EARLY JERSEY WAKEFIELD.....	\$0.35	\$1.20	\$2.00	\$1.00	\$1.75
CHARLESTON LARGE WAKEFIELD.....	.35	1.20	2.00	1.00	1.75
COPENHAGEN MARKET .....	.35	1.20	2.00	1.00	1.75
EARLY FLAT DUTCH .....	.35	1.20	2.00	1.00	1.75

Larger quantities quoted on Green Ink List.

R.-H. CO.'S BERMUDA ONION PLANTS



Bermuda Onion Plants

Plant in rows about 15 inches apart and 3 to 4 inches in the rows. Set them out in February, March or April.

Yellow or Straw Colored

Postpaid, 100, 20c; 200, 35c; 500, 60c; 1,000, 95c. Not prepaid, 100, 10c; 200, 20c; 500, 45c; 1,000, 75c.

Crystal White Wax

Postpaid, 100, 20c; 200, 35c; 500, 60c; 1,000, 95c. Not prepaid, 100, 10c; 200, 20c; 500, 45c; 1,000, 75c.

R.-H. Co.'s Garden Plants

Beet Plants

CROSBY'S EGYPTIAN—DETROIT DARK RED. Postpaid, 100, 50c; 200, 85c; 500, \$1.75; 1,000, \$2.85. Not prepaid, 100, 35c; 200, 65c; 500, \$1.50; 1,000, \$2.50.

Broccoli & Brussels Sprout Plants

Ready March 15th

Postpaid, doz., 20c; 25, 35c; 100, 95c. Not prepaid, doz., 15c; 25, 25c; 100, 75c.

Cauliflower Plants

EARLY SNOWBALL. Postpaid, doz., 20c; 50, 70c; 100, \$1.25. Not prepaid, doz., 15c; 50, 50c; 100, \$1.00.

Celery Plants

GIANT PASCAL, WHITE PLUME. Postpaid, 25, 25c; 50, 40c; 100, 65c. Not prepaid, 25, 15c; 50, 30c; 100, 50c.

Eggplants

BLACK BEAUTY, N. Y. PURPLE. Postpaid, doz., 30c; 25, 50c; 50, 75c; 100, \$1.20. Not prepaid, doz., 20c; 25, 35c; 50, 60c; 100, \$1.00.

Lettuce Plants

BIG BOSTON-NEW YORK WONDERFUL. Postpaid, 50, 30c; 100, 45c; 200, 75c; 500, \$1.50. Not prepaid, 50, 20c; 100, 35c; 200, 60c; 500, \$1.25.

Pepper Plants

CALIF. WONDER, CHINESE GIANT, PIMENTO, BELL or BULL NOSE, HOT CAYENNE. Postpaid, doz., 30c; 25, 50c; 50, 75c; 100, \$1.20. Not prepaid, doz., 20c; 25, 35c; 50, 60c; 100, \$1.00.

Certified Sweet Potato Plants

NANCY HALL and PORTO RICO. Prices quoted on Green Ink List.

Tomato Plants

Ready April 1st—Varieties

MASTER MARGLOBE  
BONNY BEST—GULF STATE MARKET  
PONDEROSA—NEW STONE  
GREATER BALTIMORE

Hot Bed Plants

Postpaid, 25, 25c; 50, 40c; 100, 65c; 500, \$2.25. Not prepaid, 25, 15c; 50, 30c; 100, 50c; 500, \$2.00; 1,000, \$3.00.

Transplanted Stock

Postpaid, doz., 30c; 25, 50c; 50, 75c; 100, \$1.20; 200, \$1.90. Not prepaid, doz., 20c; 25, 40c; 50, 60c; 100, \$1.00; 200, \$1.50.

Potted Tomato Plants

We can supply three varieties—Gulf State Market, Master Marglobe and Ponderosa in 2½ inch paper pots. Postpaid, Doz., 80c. Not prepaid, Doz., 60c; 100, 4.50.



# Bush or Snap Beans

**Culture**—These can be planted any time from April 1st to September 1st. Sow 3 inches apart in rows, and have the rows 2½ feet apart. One quart will sow 200 feet of row.

## GREEN PODDED VARIETIES

**BURPEE'S STRINGLESS GREEN-POD.** This Bean remains among the very best first-early round-podded Bush Beans. A very free bearer; entirely stringless; averages 5 inches long and is slightly curved. **Postpaid, Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

**GIANT STRINGLESS GREEN-POD.** Pods greatly resemble those of Burpee's Stringless. Fully an inch longer in size and a trifle later. A variety that is largely grown for the market on account of its size and good shape. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

**TENDERGREEN.** This is a new Bush Bean of utmost value. The plants make a strong and vigorous growth. They are well branched and carry a great quantity of beautiful light green beans. The pods grow 6 to 7 in. long. They are round, extremely meaty, and tender. Even when fully grown they are absolutely stringless. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

**TENNESSEE GREEN POD.** Very prolific and one of the earliest Beans there is. Matures a week or ten days earlier than most other varieties. Pods long, flat, bright green. **Postpaid, pkt., ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

**BLACK VALENTINE.** Pods measure 6 in. long, are slender, quite round, and straight. The flesh is fine grained and somewhat fibrous. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

**STRINGLESS BLACK VALENTINE.** Stringless Black Valentine produces a great crop of attractive pods 6 in. in length. They are decidedly desirable because they are entirely stringless at all stages. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.



Burpee's Stringless Green-Pod



Tennessee Green Pod

**BOUNTIFUL.** A very attractive Bush Bean of choicest quality. It has proved to be unexcelled on light sandy soils, where the bushes will produce an extra-large crop of handsome beans. The pods are 6 in. long, flat, meaty, tender, strictly stringless, and of rich flavor. Matures early. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

**IMPROVED EARLY RED VALENTINE.** Pods are 5 in. long, round, straight, and of dark green color. Very few strings; brittle, fine grained, tender, and productive. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

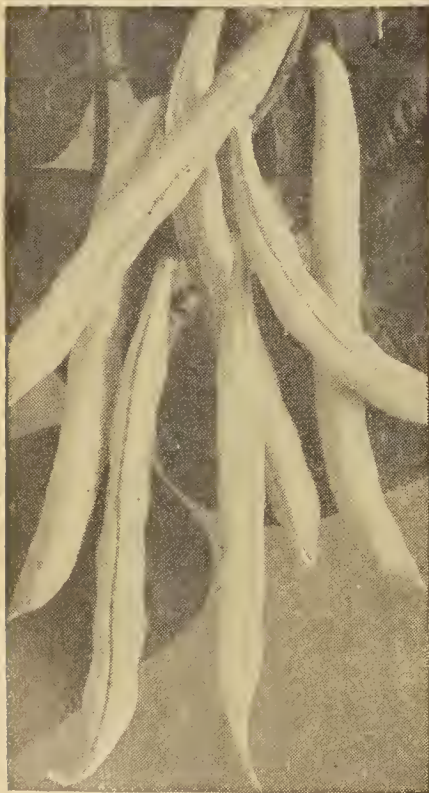
**LANDRETH'S STRINGLESS.** A splendid variety entirely stringless. The pods are long, perfectly round and of a green color. **Postpaid: Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c.** Not prepaid: ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c.

**FULL MEASURE.** Medium-early, well-branched, round plant bearing a large crop of perfectly stringless, very fleshy, deep green pods measuring 5 in. in length. Quality is superb and the flavor rich and satisfying. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

7 10c size packets of any above bush beans sent postpaid for 50c.

4 20c size packets of any above bush beans sent postpaid for 50c.

## Dwarf Wax Pod or Yellow Varieties



Pencil Pod Wax

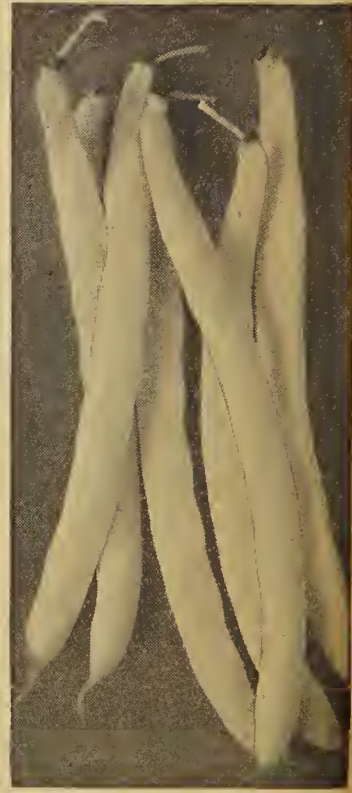
**NEW DAVIS WHITE STRINGLESS WAX.** This desirable Bean, while it has all the fine qualities of the Davis Wax, is entirely distinct as it is entirely stringless. Pods average 6½ in. long, are waxy yellow, flat, and the quality and flavor are delicious. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

**IMPROVED GOLDEN WAX.** One of the most popular of the wax varieties. Edible in about 42 days after planting. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

**PENCIL POD WAX.** Very early and productive and absolutely stringless. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

**PROLIFIC BLACK WAX.** Very early and productive, pods large and round, five to six inches long, strictly stringless, very brittle and of excellent quality. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

**SURE CROP WAX.** A recent introduction similar to Currie's Rust-Proof. Pods are longer, thicker through and entirely stringless. **Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c.** Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.



Improved Golden Wax

Half Gallon, Gallon, Peck and Bushel  
Prices Quoted on Green Ink List



# Pole or Running Beans



Kentucky Wonder or Old Homestead

## Polé Butter and Lima Beans

**Culture**—Plant in hills three to four feet apart each way, and two inches deep, allowing six seeds to each hill. When the plants are well established they should be thinned out to four.

**Price**, any of the following Lima beans, uniform:  
Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c. Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.  
Price on larger quantities given on our Green Ink List.

**CAROLINA SIEVA**. Pods are dark green, short, about three inches, curved, flat. Seed small, flat, white with slight tinge of yellow.

**FLORIDA or SPECKLED CALICO BUTTER**. The best variety for bearing the whole season. It will make an abundant crop when others fail. Seeds of the Carolina or Sieva Lima size but are speckled white and brownish red.

**KING OF THE GARDEN LIMA**. An old favorite variety, bearing large dark green pods, with four to five large beans of fine quality.

**LARGE WHITE LIMA**. Beans greenish white, large size, matures late. The most productive variety for this section.

**WILLOW LEAF LIMA**. Very productive, beans medium size, of fine flavor when young. The vine has open willow leaf foliage making crop easy to gather.

**Culture**—Plant in May and June in rows four feet each way; five in a hill. Pole beans can be planted as late as August 1st and they will bear a good crop. One quart will plant about 200 hills. One peck will plant an acre.

**Price**, any of the following pole beans, except Asparagus Yard Long Beans, uniform:

Postpaid, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c. Not prepaid, pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 35c.

Prices on larger quantities given on our Green Ink List.

**KENTUCKY WONDER or OLD HOME-STEAD**. The standard of Pole Beans. It has proven itself to be the most prolific and profitable of them all. In fact, if the green pods are kept picked it will bear until frost. Matures in about eight weeks.

**IDEAL MARKET**. A heavy yielding green pod pole bean that is earlier than Kentucky Wonder. Pods are long and should be picked when young as they are absolutely stringless at that stage.

**KENTUCKY WONDER WAX**. Rich golden yellow flatpods, that are almost stringless, very fleshy.

**SCOTIA or STRIPED CORNFIELD**. Pods about six inches long, medium green, very tender, fine for growing in corn.

**RED SPECKLED CUTSHORT**. Very productive, pods medium length, round and fleshy. Can be used for planting in corn.

**MCCASLAN**. A fine variety for home or market, of fine flavor and quality. Pods 8 inches long, slightly flattened. The white beans are excellent as a shell bean.

**TENNESSEE WONDER**. Round, long, fleshy beans, very tender and prolific.

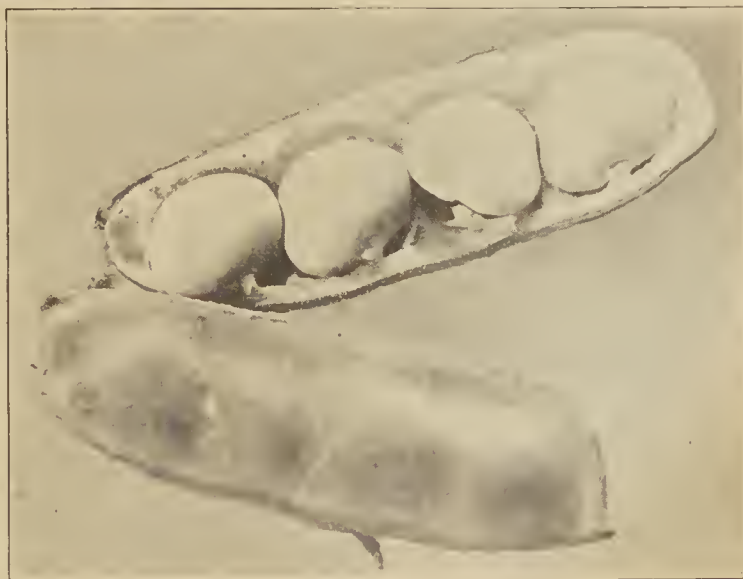
**WHITE CREASBACK**. Pods 5 inches long, produced in clusters; early productive, of fine quality.

**WHITE SEEDED KENTUCKY WONDER**. Rich green, very meaty, long straight pods and very productive.

**ASPARAGUS YARD LONG BEANS**. Pods average two feet in length, excellent as Snap beans; vine runs 10 ft. or more. Pkt., 15c; ½ lb., 25c; 1 lb., 40c, postpaid.

### SPECIAL OFFER

7 10c size packets, any of these beans sent postpaid for 50c. 4 20c size, any of these beans sent postpaid for 55c.



King of the Garden Lima



## Bush Butter or Lima Beans

**Culture**—Lima Beans for the home garden should be a continuous summer crop and sowings may be made from March to September. Plant one inch deep and six inches apart. Have drills  $1\frac{1}{2}$  to  $2\frac{1}{2}$  feet apart. **One pound to 100 feet of drill.**

**Price** any of the following varieties of Bush Butter Beans (except McCreas) Uniform as follows: Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 45c. Not prepaid, pkt., 10c;  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 35c.

**HENDERSON BUSH LIMA.** The "Baby Lima." Ready in 60 days. Early, hardy vines produce pods 3 inches long containing 3 or 4 Beans.

**BURPEE'S IMPROVED BUSH LIMA.** Very large pods filled with immense size white beans that are delicious in flavor.

**FORDHOOK BUSH LIMA.** Beans oval, thick, light green, very tender and of rich flavor. Pods produced in clusters.

**NEVER-FAIL SPECKLED BUSH LIMA.** Very prolific. Even in driest hot weather they will produce large crops. Beans are speckled white and red, of medium size.

**WOOD'S PROLIFIC BUSH LIMA.** Bean is white, slightly larger than Henderson, and very prolific.

**MCCREA'S BUSH LIMA.** New and distinct; beans are thick with a greenish tint. Postpaid, pkt., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c. Not prepaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c.

## Beet Seed

**Culture**—Beets should be planted in a deep, rich, sandy loam, sowing in rows 18 inches apart, covering about  $\frac{1}{2}$  inch deep, pressing the soil firmly over the seed. When plants are well established, thin to 4 to 6 inches in the row. About 60 days in maturing, according to variety. **One ounce to 50 feet of row.**

**Price** of any of the following varieties of Beet seed (except Good for All). Postpaid, pkt., 5c; oz., 10c; 2 oz., 20c;  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 35c; 1 lb., 55c.

**CROSBY'S EGYPTIAN.** One of the most widely grown turnip-shaped Beets in cultivation today. Will produce Beets ready for pulling in 40 days. The smooth, dark red roots are topped with light green foliage, which is prominently speckled with dark red. The flesh is carmine, handsomely marked with white zones, very tender and of uniformly sweet quality.

**EARLY WONDER.** A variety which has gained wide popularity among market-gardeners, and one which the amateur may also grow with every confidence. It may be sown early, and it matures in 42 days. It is so uniform in growth that the crop can be lifted practically at one time, yielding the land early and quickly for the second crop. The root is nearly globular in shape, slightly flattened. The leaves are of medium size, and the color of the flesh is deep blood-red; sweet and free from strings.

**DETROIT DARK RED.** The round, dark red globe roots are uniformly smooth. The flesh of the very young Beets is almost black-red, turning to dark crimson with dark purple zones as the Beets grow larger. When cooked, the Beets are of an appetizing dark red and very sweet.

**EARLY BLOOD TURNIP.** A splendid variety, deep blood red skin, with rich red flesh, which is very tender.

**EDMAND'S BLOOD TURNIP.** Smooth, dark red. Sweet tender flesh.

**EARLY ECLIPSE.** An early globe-shaped variety of good quality, flesh zoned light red.

**GOOD FOR ALL.** Of excellent quality, roots smooth, almost round, flesh deep crimson, fine for canning. Pkt., 10c; oz., 15c; 2 oz., 25c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 60c; 1 lb., \$1.00.

## Stock Beets or Mangel Wurzels

**Culture**—Deep soil produces the largest crops. Sow in rows 18 inches to 2 feet apart, 1 inch deep, and when the plants are 3 to 4 inches high they should be thinned out 6 to 8 inches apart. Mangels make excellent feed for stock of all kinds.

**Prices** of any of the following Stock Beets, postpaid, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 45c.

**GIANT FEEDING SUGAR.** Desirable for stock feeding, being especially rich in sugar.

**GOLDEN TANKARD MANGEL.** Yields enormous crops; flesh deep orange-yellow; oblong in shape.

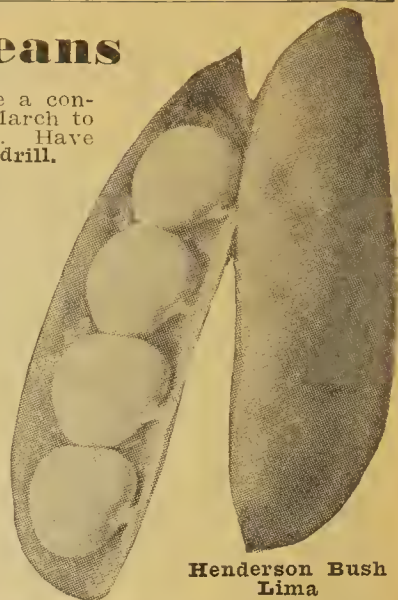
**MAMMOTH LONG RED MANGEL.** Grows to an enormous size in deep, rich soil.

**KLEIN WANZLEBEN.** Skin white with a tinge of gray; flesh very rich in sugar.

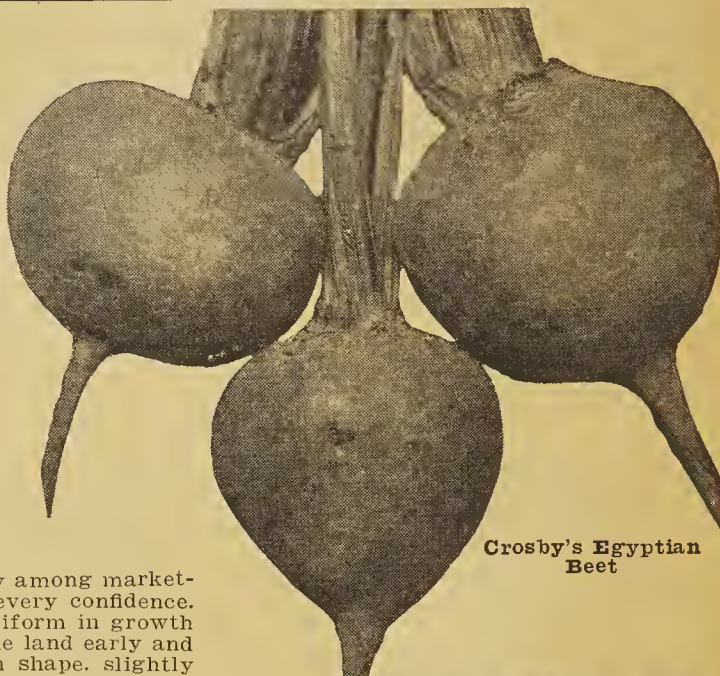
**Prices** on larger quantities given on our Green Ink List.



Fordhook  
Bush Lima



Henderson Bush  
Lima



Crosby's Egyptian  
Beet



Early Blood  
Turnip Beet



Golden  
Tankard  
Mangel





Brussels Sprouts

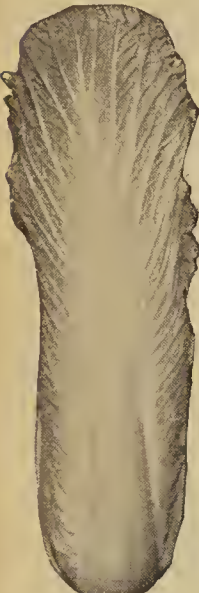
BROCCOLI

**Culture**—The seed should be sown and cared for in the same way as cabbage or cauliflower.

**GREEN SPROUTING CALABRESE.** An all seasons variety that comes into use about ninety days after planting. It is much less susceptible to weather changes than cauliflower and will produce heads in hot weather which would cause failure in cauliflower. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., 85c, postpaid.**

Brussels Sprouts

**LONG ISLAND IMPROVED.** An erect growing plant whose stalk is closely covered with light green buds resembling small cabbages, which should be cooked in the same manner as cabbage or cauliflower. Seed may be sown early in April; later the plants may be set about 2 feet apart and cultivated like cabbage. Sow also in June for fall crop. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 65c, postpaid.**



Chihili Chinese Cabbage

CHINESE CABBAGE

**Culture**—For spring crop sow seed in beds, transplant and cultivate the same as early cabbage. For fall crops sow seeds about 15th of June.

**Price either variety: Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.00, postpaid.**

**CHI-HI-LI.** Produces long slender very solid heads which are of delicious flavor.

**PE TSAI.** Heads rather broad. Fine for salads, slaw and greens.

CARROTS

**Culture**—Sow from February to September in light, deep, rich soil in drills 12 inches apart; plants should stand five inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill; four pounds to the acre.

**Prices uniform on the following 8 varieties of carrots: Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c. Prices on larger quantities given on our Green Ink List.**

**EARLY SCARLET HORN.** Small stump rooted orange scarlet in color matures the earliest.

**DANVERS HALF LONG.** Rich, light orange color. Roots average 6 to 8 inches long, tapering to a blunt point.

**HALF-LONG SCARLET CHANTENAY.** Slightly tapered blunt-rooted variety, the earliest of the large Carrots.

**IMPERATOR.** Pure orange-scarlet in color with practically no core, sweet and tender.

**IMPROVED LONG ORANGE.** Roots 10 inches long rather broad at crown tapering to a point. Golden orange in color.

**OXHEART.** Short thick carrot 4½ inches long; thick at shoulder. Deep yellow, flesh sweet and tender.

**R. H. CO'S CORELESS.** Smooth 5 to 6 inches in length, bright orange color; very tender and sweet.

We Sell Planet Jr. Garden Tools—Ask for Catalogue.

CELERY

**Culture**—Sow in beds in February or March and keep well watered. Transplant to moist, mucky soil; six inches apart. We can supply the following standard varieties of Celery:

**At uniform prices viz.: Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 65c; ½ lb., \$1.00; 1 lb., \$1.75.**

**GIANT PASCAL.**

**WHITE PLUME.**

**GOLDEN SELF BLANCHING.**

**CELERIAC SMOOTH PRAGUE.**

Miscellaneous

	Pkt.	Oz.	¼ lb.
Cardoon Smooth White	\$0.05	\$0.25	\$0.70
Chicory, Witloof	.05	.25	.45
Chicory, Magdeburg	.05	.25	.45
Corn Salad, Large Leaved	.05	.15	.35
Chives Seed, Schnittlauch	.05	.40	1.00
Cress, Curled	.05	.15	.30



Green Sprouting Calabrese Broccoli.

CAULIFLOWER

**Culture**—Cultivate like cabbage. Sow in January or February for early crop; May or June for late. One ounce of seed makes 2,000 plants.

**Price of any of the 3 Standard varieties named below: Pkt., 10c; ¼ oz., 40c; ½ oz., 60c; oz., \$1.00; 2 oz., \$1.75.**

**DRY WEATHER, EARLY SNOW-BALL, EARLY SNOWDRIFT**

COLLARDS

**Culture**—One ounce of seed will produce about 2,000 plants. Sow in spring or summer.

**Price following 2 varieties: Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 50c, postpaid.**

**GEORGIA WHITE CABBAGE and SOUTHERN or GEORGIA**

Special Offer

For 25c select any 8—5c packets of Carrot seed.

For 50c select any 5—15c packets of Carrot seed.



Half-Long Scarlet Chantenay Carrot



Giant Pascal Celery



# Cabbage

**Culture**—Cabbage succeeds best on well-drained soil. The plants are started in frame or seed bed, and afterwards transplanted. Seed for early cabbages may be started in autumn in a cold frame, or in early spring in a hotbed. For main crop, summer and autumn cabbage, the seed should be sown in a rich border in the open air, in May. Sow shallow; a packet will produce about 250 plants; an ounce 2,000 plants;  $\frac{1}{4}$  pound for an acre. Set plants  $1\frac{1}{2}$  by 3 feet.

**STANDARD VARIETIES.** Price uniform (except where priced otherwise) as follows: Pkt., 5c; oz., 20c; 2 oz., 35c;  $\frac{1}{4}$  lb., 60c;  $\frac{1}{2}$  lb., 85c; 1 lb., \$1.50, postpaid.

## Prices on larger quantities given on our Green Ink List



All Seasons

**ALL HEAD EARLY.** Very early flat head, solid and of fine texture, a dependable variety.

**ALL SEASONS.** Large flattish round heads. A splendid variety for fall use. Heads weigh about 10 pounds.

**CHARLESTON LARGE WAKEFIELD.** Ripens 8 days later than Early Jersey Wakefield and heads are larger. The pointed heads are broad, firm and solid. Excellent variety to follow the Early Jersey. Pkt., 5c; oz., 30c; 2 oz., 50c;  $\frac{1}{4}$  lb., 75c;  $\frac{1}{2}$  lb., \$1.25; 1 lb., \$2.25, postpaid.



Charleston Large Wakefield

**EARLY JERSEY WAKEFIELD.** 62 days. Extremely early, heads firm, conical. Will weigh about  $2\frac{1}{2}$  pounds. Valuable for early market.

Prices: Pkt., 5c; oz., 30c; 2 oz., 50c;  $\frac{1}{4}$  lb., 75c;  $\frac{1}{2}$  lb., \$1.25; 1 lb., \$2.25, postpaid.

**EARLY DRUMHEAD.** An old favorite medium size heads that mature in about 100 days. One of the best of the second early sorts.

**EARLY DWARF FLAT DUTCH.** A dependable second early variety. Makes a solid, firm head which will remain in good condition longer than most other sorts.

**EARLY SUMMER.** A fine early sort for market or home use. Matures in about 80 days. The solid flat heads are firm, of good size and quality.

**LARGE LATE DRUMHEAD.** One of the largest, forms solid perfect shaped heads in about 110 days. Stands heat well.

**LARGE DRUMHEAD SAVOY.** The best and largest heading of the Savoy. Few people seem to know the delicious flavor of Savoy Cabbage. It is far superior to the flat-leaved sorts, and as tender as cauliflower after frost.

**LARGE LATE FLAT DUTCH.** Heads large and solid with but few outer leaves. Matures in about 115 days.

**MAMMOTH RED ROCK.** The largest and hardest heading red Cabbage in cultivation.

**SUCCESSION.** A sure cropper, heads flattened. Medium to large size. Firm and solid. Size of heads 10 inches across and 8 inches deep. Will weigh about 12 pounds. They grow very uniform in shape and size.

**SUREHEAD.** Certain to head, drought resisting, one of the best keepers, flat heads. Will average 10 to 15 pounds.

For Cabbage Worms use Slug Shot—it's non-poisonous and effective. Postpaid, 35c a box; not prepaid, 25c.



All Head Early

## 2 Extra Good Varieties

Postpaid: Pkt., 5c; oz., 30c; 2 oz., 50c;  $\frac{1}{4}$  lb., 75c;  $\frac{1}{2}$  lb., \$1.25; 1 lb., \$2.25, postpaid.

**COPENHAGEN MARKET.** Forms a perfect tight folding head in about 66 days. A splendid variety for early market of fine quality.

**GOLDEN ACRE.** Makes small and compact heads, round in shape, weighing about 3 pounds and will measure 6 inches in diameter. Ready for cutting 4 days earlier than Copenhagen Market.



Copenhagen Market



Golden Acre

## Frost-Proof Cabbage Plants

Varieties. JERSEY WAKEFIELD, CHARLESTON WAKEFIELD, COPENHAGEN MARKET, and EARLY FLAT DUTCH.

No order filled for less than 100 of a variety. We do not ship any plants C. O. D. Our terms are cash with order.

Prices: Parcel post paid, 100, 35c; 500, \$1.20; 1000, \$2.00.

Not prepaid, by express from Memphis, 500, \$1.00; 1000, \$1.75.

Prices on larger quantities quoted on Green Ink List. Subject to crop conditions.

## Special Offer on the Above 15 Varieties of Cabbage

7—5c size packets above varieties sent postpaid for 25c.

7—20c size packets sent postpaid for above varieties \$1.00.





Hales Best

# CANTALOUPE or MUSKMELON

**CULTURE**—Plant in hills 5 feet apart in light, rich soil, well manured; 10 seeds to hill; thin to 4 plants. Cultivate well. Pinch off ends of vine as they begin to blossom, which will increase the yield. One ounce to 50 hills. For borers or worms, spray as soon as blossoms appear with Arsenate of Lead Bordeaux Mixture, and add Black Leaf 40.

Prices on each of the following varieties of Cantaloupe seed (except California Beauty), uniform, as follows: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c, postpaid.

Prices on larger quantities given on our Green Ink List.

**BANANA.** A splendid family Melon, grows to good size and from one to two feet long, ripens in about 85 days, of extra fine flavor.

**HALE'S BEST.** This is a new variety and originated in the Imperial Valley in California. It is a remarkably early melon of very fine flavor. The salmon flesh is exceptionally thick with very small seed cavity. The fruits are oval, about 8 by 4½ inches, with a heavy netting and ribs hardly apparent. Hale's Best will be of real value as an early shipping melon.

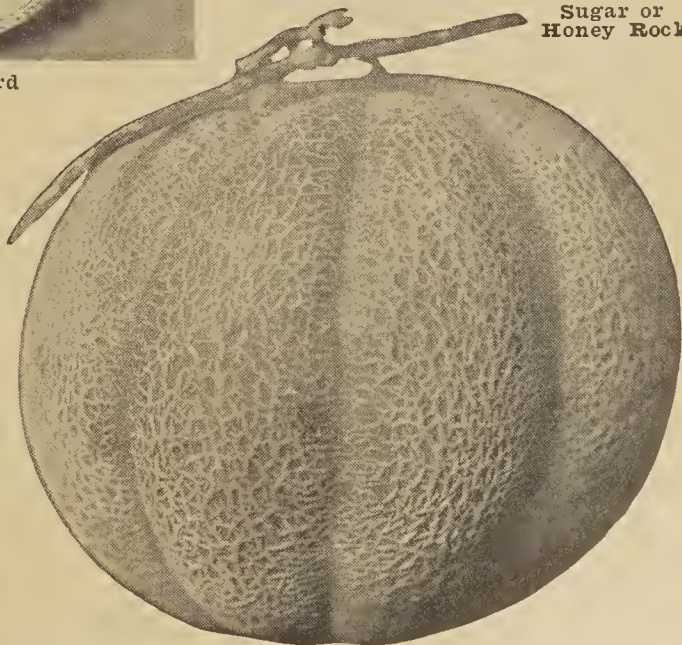
**HEARTS OF GOLD.** A new orange-fleshed variety. Fruit of medium and very uniform size. Netting exceptionally fine and dense, extending practically over the entire surface. Flesh thick, firm, highly colored, of fine texture and delicious flavor.

**HONEY DEW.** A splendid variety; rind dull white when ripe. The flesh is a rich green, very sweet and delicious flavor.

For Insects and Worms on Cantaloupe, use Garden Guard, it's non-poisonous and will prevent damage to the crop. Postpaid, 1 lb. can, 45c; not prepaid, 35c.



Rocky Ford



Sugar or Honey Rock

## SPECIAL OFFER

For 25c select any 7 5c pkts. of Cantaloupe Seed.  
For 50c select any 5 15 pkts. of Cantaloupe Seed.



California Beauty

**SUPERFECTO CANTALOUPE.** This new melon of the Rocky Ford type is the sweetest and most luscious of the salmon flesh varieties. It has deep yellow flesh which is soft and exceedingly sweet.

**TIP TOP NUTMEG.** Good for early or late, having a sweet, juicy, fine flavor, solid flesh, good to the outside coating. The melons are of large size, nearly round, evenly ribbed.

## California Beauty

This is a special good variety for market trade. It will outsell all other varieties. The fruit is medium large, with sweet tender pink flesh that is of a deep rich salmon color.

The shape is slightly oval with heavy netting and will sell quickly on account of its attractive appearance. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; ½ lb., 75c; 1 lb., \$1.25, postpaid.

Our Green Ink List gives special prices on large quantities of garden seed. Write us for it.



# Garden and Sugar Corns

**Culture**—For early market, plant the garden varieties latter part of March. Sugar Corn should not be planted until April, then at intervals of two weeks for a succession. Sugar and Garden Corns planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre. Treat seeds with Semesan, Jr.

## GARDEN CORNS

Prices on the following 7 varieties of Garden Corn uniform:

Postpaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 50c.  
Not prepaid,  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 40c.  
Prices on Larger Quantities Given on Our Green Ink List.

**EXTRA EARLY ADAMS.** Not a Sugar Corn, but is grown for early use. Ears short.

**EARLY LARGE ADAMS.** About a week later than Extra Early; has larger ears.

**EARLY TABLE.** This corn is positively one of the earliest of the very large-eared Garden Corns ears measure 10 to 12 inches. It matures in about 65 days. In color the ears are pure white; very luscious, tender and palatable.

**EARLY SNOW FLAKE.** Large size, very early; a fine corn for early roasting ears; also makes an excellent field variety, as it matures in 80 to 85 days.

**IMPROVED ADAMS.** A fine variety, slightly larger than Early Adams. One week later.

**R.-H. CO'S EARLY SURPRISE.** A splendid corn, coming in directly after Adams Early, but much larger. Has a white, soft grain. Our stock of Early Surprise Corn is right and from the Originators. Be careful and buy only the genuine.

**TUCKER'S FAVORITE.** For a second early corn to follow Adams Early, or for late planting to mature early, this is a good sort.

## SUGAR CORNS

Prices on the following 7 Sugar corns, excepting 3 varieties priced otherwise, uniform.

Postpaid: Pkt., 10c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 2 lbs., 70c.  
Not prepaid: Pkt., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 60c.

**BORDEN'S WONDER BANTAM SWEET.** A selection from Golden Bantam, being larger and superior in every way.

**COUNTRY GENTLEMAN.** Small cob; long, slender, white grains, which are very sweet.

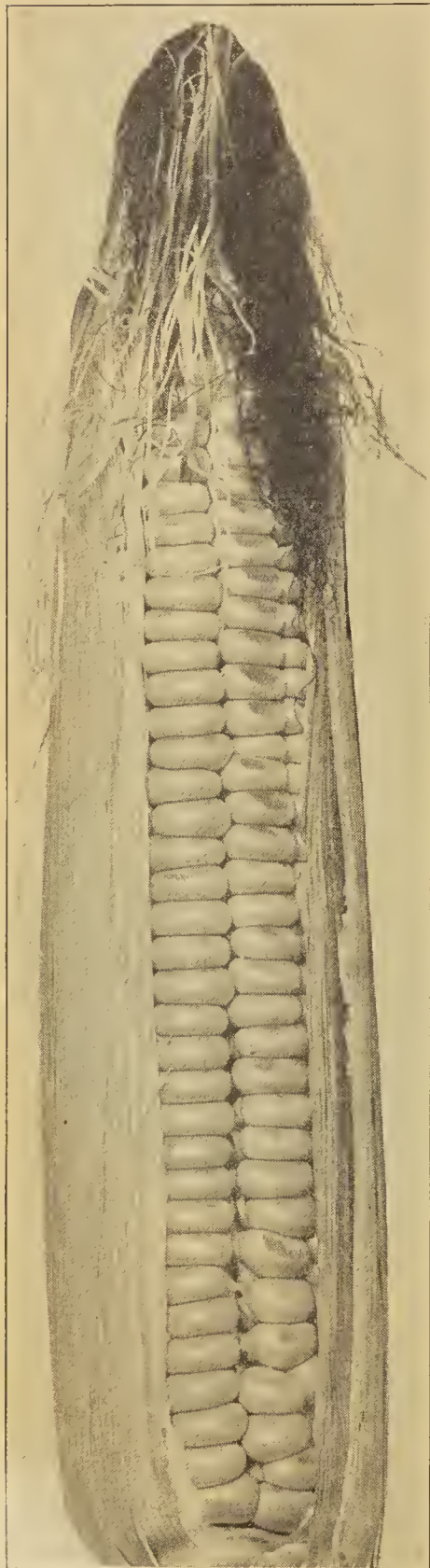
**GOLDEN BANTAM.** Extra early, sweet, tender and delicious. The stalks grow to a height of four feet, and can be planted close together in the row. They bear two or three good small ears to the stalk.

**HOWLING MOB.** One of the finest second early, large-eared sorts; ears 9 to 10 inches long.

**MAMMOTH SUGAR.** The Mammoth ears are thick through, with many rows of large grains of excellent quality.

**STOWELL'S EVERGREEN.** The standard and best known Sweet Corn. Ears 8 to 9 inches long, 16 to 18-rowed, with deep, sweet grain.

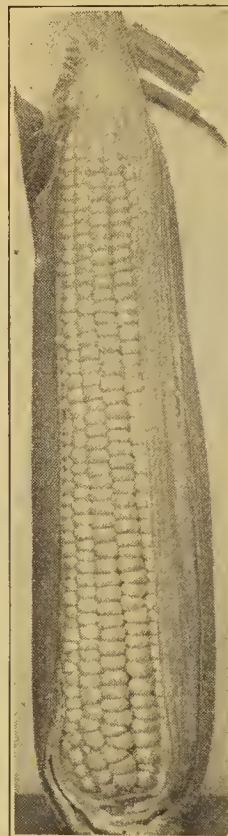
**WHIPPILL'S EARLY YELLOW.** An extra early yellow Sugar Corn. Larger and earlier than Golden Bantam. Stalks grow 5 to 6 feet, and many produce two large ears. Kernels bright yellow, tender, sweet and finest quality. Whippell's Early Yellow Sugar Corn is ready for the table in about seven weeks.



Golden Bantam



Early Table



Stowell's Evergreen

**TOP CROSS GOLDEN BANTAM.** This new hybrid Sugar corn makes crops when other sorts fail on account of its vigor and disease resisting merits. It is quite similar to ordinary Golden Bantam but the ears are larger and is 6 days earlier, produces three good ears to a stalk. Postpaid: Pkt., 15c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c; 2 lbs., 95c; not prepaid:  $\frac{1}{2}$  lb., 25c; 1 lb., 45c; 2 lbs., 85c.

**LONG ISLAND BEAUTY.** Tall growing stalks that will produce ears 10 inches long with 16 rows of delicious tender, white sweet grains. Postpaid: Pkt., 10c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 2 lbs., 70c; not prepaid:  $\frac{1}{2}$  lb., 20c; 1 lb., 35c; 2 lbs., 60c.

**DELICIOUS TRUCKER'S FAVORITE.** The ears of this new Sweet Dent corn are eight to ten inches in length, filled with 12 to 16 rows of plump, creamy white grains of the most delicious sweet corn substitute flavor. Postpaid: Pkt., 10c;  $\frac{1}{2}$  lb., 25c; 1 lb., 35c; 2 lbs., 60c; not prepaid:  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 50c.



## CUCUMBERS



Straight  
Eight  
Cucumber



Prices on the following Cucumbers, each variety uniform, viz.: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.00, postpaid.

**A & C.** Fruit, handsome, very dark green, white spine type, fine shipping variety.

**BLACK DIAMOND.** Attractive with a rich dark green color, straight long green in shape.

**BOSTON PICKLE.** One of the standard pickling varieties, produces fruits in from 47 to 50 days.

**CHICAGO PICKLE.** Has small deep green fruit, tapering at each end, very prolific, none better.

**CLARK'S SPECIAL.** Extra long green black spined, a superior sort for market use.

**DAVIS PERFECT.** Their handsome shape and fine dark green color command the highest price on the market.

**EARLY FORTUNE.** One of the best selections of the white spine type; is becoming very popular.

**EARLY GREEN CLUSTER.** Fruits of short, chunky form, light green color; desirable for pickling. Extra prolific, frequently setting in clusters of 2 and 3. Ready for use in about 50 days.

**EVERBEARING.** Fruits small, densely covered with black spines. If kept pickled will bear for a long time. Ready for use in about 48 to 50 days.

**STRAIGHT EIGHT.** Very symmetrical, about eight inches in length and 1½ inches in diameter. The very best Cucumber for early market, vines vigorous and productive.

## EGGPLANT

**Culture**—Sow in February or March. When 2 inches high transplant in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

Prices on any of the following 3 varieties of Eggplant: Packet, 5c; ½ oz., 30c; oz., 50c; 2 oz., 75c; ¼ lb., \$1.25; ½ lb., \$2.25; 1 lb., \$4.00, postpaid.

**BLACK BEAUTY.** This is the earliest and best of all large fruited Eggplants. Fruits are thick.

The skin is a rich lustrous purplish black.

**FLORIDA HIGH BUSH.** Of upright growth, dark black in color; stands hot weather well.

**NEW YORK IMPROVED PURPLE.** Fruits deep purplish black, quite large, a good market variety.

## Garlic

Plant in spring or fall in rows, cultivate and harvest same as onions. Postpaid, ½ lb., 25c; 1 lb., 35c. Not postpaid, ½ lb., 15c; 1 lb., 25c.

## Kohlrabi

**Black Beauty Eggplant** **Culture**—Sow in drills as early as the ground can be worked in the spring, thinning out to stand 5 to 6 inches in the row. For fall use, plant in August or early September.

**EARLY WHITE VIENNA.** This is the best and earliest variety for table use. Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.60.

## Gourds

Plant in April, as soon as ground is warm. Prices postpaid.

<b>DIPPER GOURD</b> .....	Pkt., 5c; oz., 20c
<b>DISH RAG GOURD</b> .....	Pkt., 5c; oz., 25c
<b>JAPANESE EGG GOURD</b> .....	Pkt., 5c; oz., 20c
<b>SUGAR TROUGH GOURD</b> .....	Pkt., 5c; oz., 25c
<b>TURKS TURBAN GOURD</b> .....	Pkt., 10c; oz., 35c

## Herb Seeds

	Prices Postpaid	Pkt.	Oz.
<b>ASPARAGUS MARY WASHINGTON</b> .....		\$0.05	\$0.10
<b>BASIL, Sweet</b> —For flavoring soups .....		.10	.50
<b>FINOCCHIO, Italian Fennel.</b> Easily grown .....		.10	.15
<b>LAVENDER</b> —Used for its odor .....		.10	.60
<b>MARJORAM, Sweet</b> —Used in seasoning .....		.10	.50
<b>ROSEMARY</b> —For seasoning meats and soups .....		.10	.75
<b>SAVORY, Summer</b> —Used as a culinary herb .....		.10	.35
<b>SAGE, Broad Leaved</b> —A popular plant .....		.10	.35
<b>THYME, English</b> —Much used for seasoning .....		.10	.60

**Culture**—For very early crop, plant in hot-beds; for later crop, plant from April to July in rich, well-manured hills, 4 feet apart, 10 seeds in hill; thin to two or three plants. One ounce to 50 hills.

**GHERKIN.** A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young.

**IMPROVED LONG GREEN.** The fruits are very long and of beautiful dark green color.

**IMPROVED EARLY WHITE SPINE.** An extra early, white spine strain. Fruit averages from 8 to 10 inches long.

**JAPANESE CLIMBING.** Of trailing or climbing habit, very prolific, crisp and of fine flavor; fruits rich green with black spines.

**LONGFELLOW.** Fruits 8 to 10 inches long, cylindrical in shape, and a fine glossy green in color.

**STAY GREEN.** 60 days. A splendid variety, 7 to 8 in. long, 2½ in. thick. Glossy dark green, white spined, cylindrical.

## Dandelion

Sow in March in drills 18 inches apart, thin to 5 inches and cultivate well. **Improved Thick Leaved** of deep green color with thick leaves. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50, postpaid.

## Dill Seed

**DILL SEED.** The stems are fine for making Dill pickles, easily grown. Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c.

## Endive



Green  
Curled  
Endive

**Culture**—One ounce will sow 200 feet of drill. Sow about the middle of April, and for succession in June and July, 1 foot apart. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.

Prices on the two varieties of Endive named below as follows: Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., 80c; 1 lb., \$1.25, postpaid.

**LARGE GREEN CURLED.** The hardiest variety; beautifully curled.

**BROAD-LEAVED BATAVIAN.** (Escarolle.) Leaves long and broad, thick and succulent.

## Kale

**Culture**—Sow from 2 to 3 pounds to the acre, 1 ounce to 200 feet of drill. Sow in March or September in drills or broadcast.

Prices on any of the 2 varieties of Kale given below as follows: Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 50c, postpaid.

**DWARF GREEN CURLED SIBERIAN.** Leaves curled. The best variety for fall sowing. Stands all winter.

**TALL GREEN CURLED SCOTCH.** A beautiful curled variety. Fine for spring planting.

## Horseradish Roots

Large, strong cuttings. Postpaid, doz., 35c; 50, \$1.10; 100, \$2.00. Not postpaid, doz., 30c; 50, \$1.00; 100, \$1.75.



# Lettuce

**Culture**—One ounce will produce 3,000 plants. For early use sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to middle of August, every 2 or 3 weeks for succession.

**Prices on all of the following Lettuce uniform:** Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., 90c, postpaid.

**Prices on larger quantities given on our Green Ink List.**

**BLACK-SEEDED SIMPSON.** One of the best, either for forcing under glass or for open ground culture. It forms large, thin, loose leaves of light green color, very tender, crisp and of fine quality. A fine sort for summer, as it withstands the heat; also for home garden.

**BIG BOSTON.** Our strain is reselected, sure to head, and produces solid heads of large size, often 10 to 12 inches across which are slow to go to seed. The leaves are thin, hard and crisp, comparatively smooth but wavy at the edges, and are of bright light green color, slightly tinged with reddish brown. The inner head blanches to an attractive greenish white.

**CALIFORNIA CREAM BUTTER.** Dark green, round, thick leaves forming a very solid round head which stands a long time without running to seed. Outer leaves spotted brown, inner ones blanched to a rich yellow. Exceedingly rich, buttery, sweet and nutty in flavor.

**CHICKEN LETTUCE.** Your poultry needs "green" food and this variety of Lettuce is just the thing you will want to grow for this purpose. It is a genuine Lettuce which will yield as much or more chicken or rabbit feed than any plant you may have used for "greens." When once cut it starts to grow again and makes a successive crop. The largest plant of Lettuce in cultivation.



New York or  
Wonderful  
Lettuce

**NEW YORK OR WONDERFUL.** A grand Head Lettuce sometimes called California and Los Angeles; furnishes fine, crisp lettuce during the hot summer months. This is one of the largest varieties grown, producing heads more than 15 inches in diameter and weighing more than 2 pounds each. The outer color is rich dark green, but the heart blanches beautifully and is crisp, tender and delicious.

**ALL HEART.** An early lettuce, producing good size tightly formed heads, the inside is rich cream yellow, all heart. Very tender and delicious.

**COS OR ROMAINE.** Forms large light green, well-folded heads of upright growth and popular for its crispness and mild flavor.

**EARLY CURLED SIMPSON.** The standard loose-headed variety. Earlier than the heading sorts.

**IMPROVED HANSON.** Globe shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. Has superior qualities for resisting drought and heat.

**LARGE WHITE CABBAGE.** Forms a compact head; has no core, but a tender, golden heart. It resists the cold, withstands the summer heat, always has a crisp, mild flavor, when open it becomes a table ornament.

**MIGNONETTE.** Small, solid heading; never fails. The flavor is fine and the leaves crisp.

**NEW ICEBERG.** A Winner for the Home Garden. A beautiful and easily grown Lettuce of the crisp-head type. One of the very best summer-growing varieties. The leaves are wavy with fringed edges, tinged at margins with brown. Makes a firm, hard head, with strong, incurving ribs, blanching the heart leaves to a creamy whiteness. The quality is very good, sweet and exceedingly crisp. It is

ready for the table in 55 to 60 days.

**PRIZEHEAD.** Very popular, large, loose-heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender.

**Culture**—Sow from February to April or September and October; broadcast or in drills, six inches apart. Cut when about three inches high. One ounce seed to 80 feet drilled; six pounds to acre broadcast.

## Mustard

**Prices on the following Varieties of Mustard Seed uniform:** Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 45c, postpaid.

**Prices on larger quantities given on our Green Ink List.**

**CHINESE MAMMOTH.** An excellent sort with very large, light green, plain smooth leaves.

**FLORIDA BROAD LEAF.** Produces large, light green, broad smooth leaves well above the ground.

**OSTRICH PLUME.** Plants vigorous; leaves dark green, which curve outward like a fine ostrich plume.

For 25c select any 7—5c size packets  
of above varieties of Mustard  
For 50c select any 7—10c size packets  
of above varieties of Mustard.

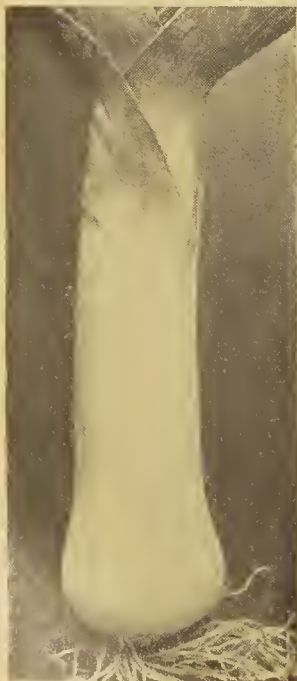
## Leek

**Culture:** Sow early in spring in drills 12 to 15 inches apart, covering one-half inch deep. Thin plants to 6 inches apart in row and draw the earth about them when cultivating.

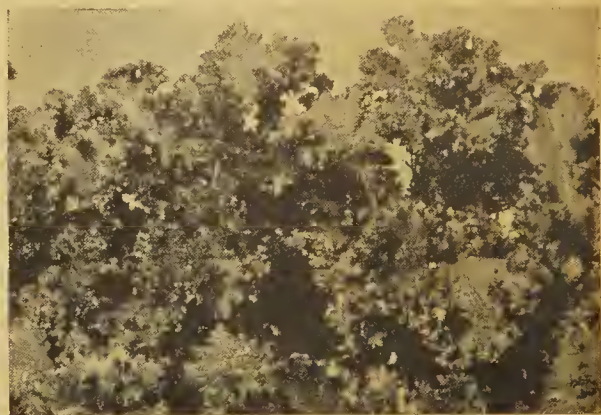
**LONDON FLAG.** This well known broad leaved leek is hardy, productive, of good quality. Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.60, postpaid.



Iceberg  
Lettuce



London Flag Leek



Giant Southern Curled Mustard



## R.-H. CO.'S WATERMELONS

**Culture**—One ounce to forty hills; 3 or 4 pounds to the acre. Drop seed in well manured hills 6 to 8 feet apart, 6 to 10 seeds, one inch deep, and thin to three best plants. Generally about the middle of April is the proper time to plant melons in this section.

### Prices on large quantities quoted on Green Ink List

**R. H. CO.'S GIANT TOM WATSON.** This is a special stock of cut Red Watson from Hope, Arkansas. The home of good melons. Fruit about 30 inches long and will average 40 to 50 lbs. in weight, flesh blood red, all the way through without any white or hard core. **Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; ½ lb., 85c; 1 lb., \$1.50, postpaid.**

**GOLDEN HONEY.** Oblong in shape, weight about 20 lbs. Rind is dark green with darker green stripes. Flesh is bright golden color and of excellent flavor. **Pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 70c, postpaid.**

**STONE MOUNTAIN.** A very large, medium green, round melon of excellent quality. Flesh highly colored, very solid, with fewer seeds than most watermelons. Fruits frequently attain a weight of 40 to 50 pounds. The rind is tough enough to stand handling for nearby markets. **Pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 65c, postpaid.**

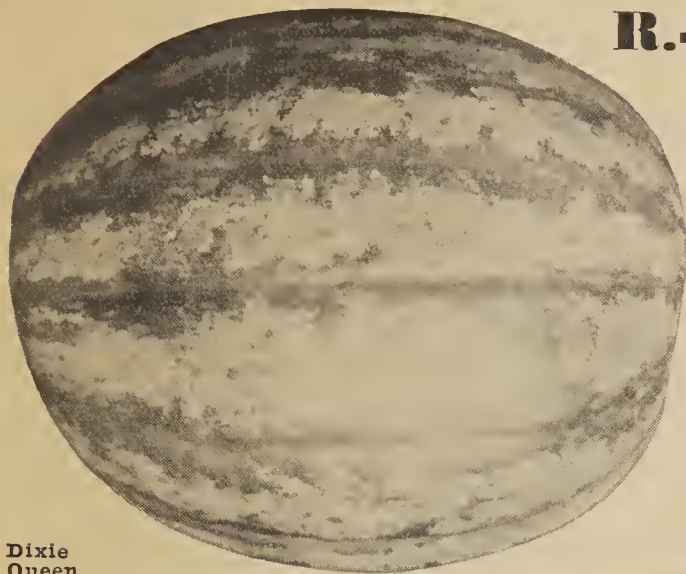
**SPECIAL STONE MOUNTAIN.** A selected stock of this most excellent melon, that will make still better and larger melons. All seed is saved from only the most perfect specimens. **Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00.**

**SPECIAL KLECKLEY'S SWEETS.** A new and improved type produces uniformly large green melons of the finest quality and appearance. **Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00, postpaid.**

**EXTRA TOM WATSON.** This seed is saved from the largest and most perfect melons by our grower in Florida. The flesh is rich red, solid, sweet and luscious and ripens up

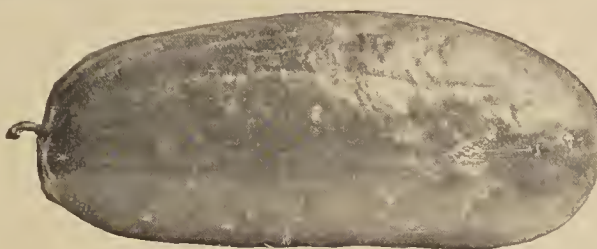
close to the rind. **Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00, postpaid.**

**BLACK DIAMOND.** Very large, round in shape, deep red meat with black seeds. **Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 60c, postpaid.**



Dixie  
Queen

**DIXIE QUEEN.** This new variety is one of the best shipping watermelons, a real money maker on account of its heavy yielding qualities. In shape it is oval to long, rind rich green. Flesh deep red which is sweet, melting, tender, juicy and sparkling, entirely free from stringiness. **Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., 95c, postpaid.**



Kleckley's Sweet

**SCHLOCHLER.** One of the biggest Melons. They will average 40 lbs. each. The fruit is very dark green with an indistinct stripe and is very uniform in shape. Flesh bright red, sweet and crisp. **Pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 70c, postpaid.**

### R.H. Co.'s Winona

This celebrated Southern grown Watermelon is in a class by itself. The fruits are very long with dark green rind, flesh crimson red, crisp and sweet. The average weight of Winona Melon is about thirty-five pounds; our seed is genuine, raised for us in Mississippi and saved from uniform specimens. Seed shiny black, a very distinct and splendid variety either for home or market use. **Pkt., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; ½ lb., \$1.25; 1 lb., \$2.00, postpaid.**



R. H. Co.'s Winona

### Price any of the following 7 Standard Watermelons, viz:

**Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 60c, postpaid.**

**EXCEL.** The Excel is a large, long green Melon, often weighing 50 to 60 pounds, a fine shipping variety; flesh deep red and ripened well out to the rind. Color of rind deep green and occasionally deep green stripes.

**GEORGIA RATTLESNAKE.** The fruits are very long, of a light green color, distinctly striped with a darker shade. The flesh is bright scarlet, tender and sweet.

**KLECKLEY'S SWEET.** Of superb flavor and surpassing crispness. Medium in size, oval shaped, with an average length of about 18 or 20 inches. It is mottled green on the outside, with the flesh a bright red and of extremely fine quality.

**HALBERT HONEY.** Large, handsome fruits. Weight about 35 lbs. Flesh is a beautiful crimson extending to within half inch of rind.

**IRISH GRAY.** Similar in shape and size to Tom Watson. The rind is beautiful greenish gray, very attractive, thin but very tough, hence a good shipper; flesh red and free from stringiness.

**NEW WONDER.** Very productive, growing a large crop of big, dark glossy green melons. Grows long and thick, the flesh a deep red, sweet and juicy.

**TOM WATSON.** The most popular shipping melon grown. The melons are large, long and dark green. The flesh is rich, red, solid, and luscious and ripens close up to the rind.



Stone  
Mountain





Japanese Mustard Spinach or Tendergreen

A new vegetable combining the delicious flavors and healthful qualities of spinach, mustard, and turnip greens. It contains an abundance of protein, mineral matter, lime, and iron. The tap-root is small and not edible. The succulent leaves are large and oblong-shaped, a rather dark green color with a small center rib, and are prepared for table like other greens. Flourishes in hot weather and is resistant to drought and extreme cold. Plant any time during the year. Ready for table in 25 days. Postpaid, pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c.

Okra

Culture—One ounce will plant 100 hills. Sow about the first of May, in drills 3 feet apart, and thin out the plants to one foot apart. Soak seed in water 12 hours—they germinate easier.

Price of the following 3 varieties of Okra: Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 40c, postpaid.

DWARF GREEN PROLIFIC. Very early; pods green and tender.

MAMMOTH LONG PODDED. Long ribbed pods; tall, green; very productive.

WHITE VELVET. Very productive, producing round, smooth, white pods.



White Velvet Okra

Onion Sets

Culture—Plant four to six inches apart in 12 to 14 inch rows. For prices by the bushel see Green Ink List enclosed.

	Postpaid.		Not prepaid.	
	Qt.	Gal.	Qt.	Gal.
LARGE RED WETHERSFIELD.....	\$0.25	\$0.65	\$0.15	\$0.50
YELLOW GLOBE DANVERS.....	.25	.65	.15	.50
WHITE SILVERSKIN.....	.30	.75	.20	.60
WHITE MULTIPLIERS.....	Prices on request.			

Bermuda Onion Plants

CRYSTAL WHITE WAX AND YELLOW STRAW COLORED Postpaid, 100, 20c; 200, 35c; 500, 60c; 1000, 95c. Not prepaid, 100, 10c; 200, 20c; 500, 45c; 1000, 75c.

All prices on onion plants are subject to crop conditions and market changes. All plants ready for shipment February 1st. See Green Ink List for prices by the crate.



Hollow Crown

Parsley

Culture—Soak seed in water for a few hours and sow in rich soil early in Spring in rows a foot apart and cover lightly. Parsley is slow to germinate and is sometimes 3 to 4 weeks in coming up. One ounce will sow 150 feet of drill. Sow in March and April, also in September.

DOUBLE CURLED PARSLEY. CHAMPION MOSS CURLED PARSLEY. PLAIN or SINGLE PARSLEY.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c, postpaid.

Parsnips

Culture—Sow the seed in early spring, three-fourths of an inch deep in rows 12 to 18 inches apart and when 3 inches high thin to 6 inches apart in the row. One ounce of seed for 100 feet of row; 5 pounds of seed required for an acre.

HOLLOW CROWN. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c, postpaid.

Onion

Culture—Sow in January or February in hotbeds. Transplant to 12-inch rows, five inches apart. Sow outdoors in rows in March.

BERMUDA. This onion is extensively grown in the south and is highly prized on account of its very mild flavor and fine quality; may be grown anywhere.

CRYSTAL WHITE WAX BERMUDA. Pkt., 5c; oz., 30c; 2 oz., 50c; ¼ lb., 85c; ½ lb., \$1.50; 1 lb., \$2.75, postpaid.

YELLOW or STRAW COLORED BERMUDA. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 70c; ½ lb., \$1.25; 1 lb., \$2.25, postpaid.

RED ITALIAN. Skin deep red, flesh mild and sweet, grows to a large size. Sow seed early in hot bed and transplant to the garden April 1st. This is the variety used here almost entirely by our market gardeners. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 70c; 1 lb., \$2.50, postpaid.

SOUTHPORT WHITE GLOBE. Handsome globe-shaped bulbs. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 70c; ½ lb., \$1.25; 1 lb., \$2.25, postpaid.

WHITE SILVER SKIN. Pure white; mild flavor. Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.75.

WHITE SWEET SPANISH. Similar to the Riverside Sweet Spanish except that it is white with clear glistening skin, globe shaped and solid. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 70c; ½ lb., \$1.25; 1 lb., \$2.25, postpaid.

Standard varieties onion prices uniform as follows: Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; ½ lb., 90c; 1 lb., \$1.60, postpaid.

RED GLOBE SOUTHPORT. Red instead of white or yellow; otherwise same as above; exceedingly handsome.

AUSTRALIAN BROWN. Flattened in shape, of a brown color, wonderfully hard and solid.

LARGE RED WETHERSFIELD. Large, skin purplish red, an excellent keeper; one of the best for market. Will grow in most soils.

PRIZETAKER. Single specimens often weigh from 3 to 4 pounds; it is nearly round. Color light yellow; flesh white, tender and of mild flavor. The bulbs are solid. Recommended for home garden or market.

Prices on larger quantities given on our Green Ink List.



Prizetaker

SWEET SPANISH RIVERSIDE. A very large light yellow colored onion of globe shape, having a very mild sweet flavor. It is a good keeper.

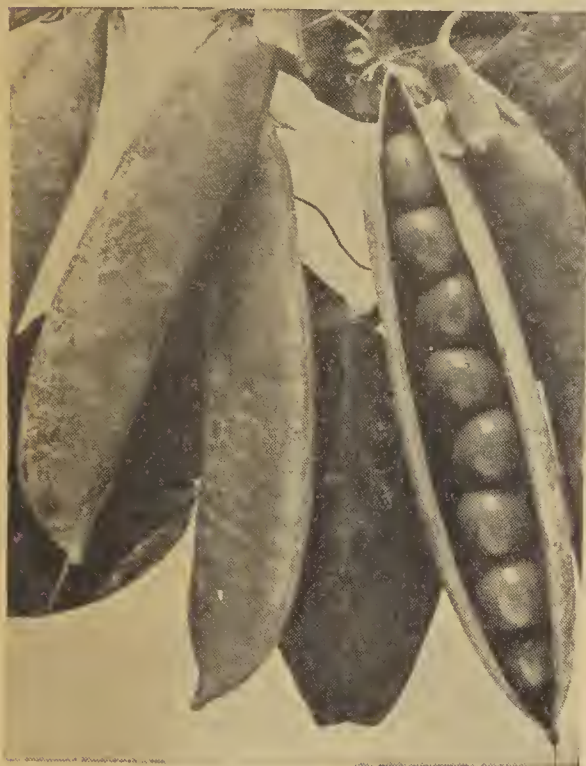
YELLOW GLOBE DANVERS. Globe shaped, bright yellow.

SPECIAL OFFER

Any 7—5c packets of seed on this page postpaid for 25c. Any 7—10c packets of seed on this page postpaid for 50c.



# Russell-Heckle's Garden Peas



Thomas Laxton

## SPECIAL OFFER

For 50c select any 3—20c size English Peas described, postpaid.

For \$1.00 select any 4—30c size English Peas described, postpaid.

**ALDERMAN.** (75 days.) Splendid dark pod variety of the Telephone family, fine for home, market or shipping. Vines 4½ ft. to 5 ft. Tall and dark green, pods very dark green, 4½ to 5 inches long; 7⁄8 inches wide, plump, straight tapered at tip; seeds large wrinkled green.

**LAXTON'S PROGRESS.** Ready for market in 60 days, pods average 4¼ inches long, filled with 8 or 9 deep green, large peas. Vine grows 18 inches in height.

**LITTLE MARVEL.** (54 days.) One of the best early wrinkled varieties. Grows about 15 inches tall, and produces pods 3 inches long, well filled with peas of excellent quality.

**MAMMOTH MELTING SUGAR.** Pods grow 4 inches long, peas very sweet, edible pod; height, 3 feet.

**MCLEAN LITTLE GEM.** Hardy, prolific, uniform in habit of growth. Pods medium size and well filled. Medium early. Height, 18 inches.

**NOTT'S EXCELSIOR.** (58 days.) Vines 14 inches high. Pods 2¾ inches long, light green; good for market or home use.

**TALL TELEPHONE.** The vines are tall, about four feet high, producing an abundance of pointed pods of largest size, often four and one-half to five inches long, filled with very large peas, which are tender and sweet.

**THOMAS LAXTON.** Large-podded, extra early Pea. In earliness the Thomas Laxton is only two or three days behind the Alaska, but the pods are very much larger, containing on the average seven or eight large, sweet, wrinkled Peas of the very richest flavor. The vines attain a height of from three to three and one-half feet.

**Culture**—The pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later. Sow Peas in drills about 2 to 3 inches deep, in rows 2½ to 3½ feet apart. One quart will sow 100 feet of drill. Wrinkled varieties described below should not be planted until March.

Prices on the following 5 varieties of English Peas as follows:

Postpaid: ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c. Not prepaid: ½ lb., 10c; 1 lb., 20c; 2 lbs., 35c.

**EARLY ALASKA.** Matures in 50 days. This is an extra pea, blue in color, earlier by a few days than any other kind; very fine and prolific.

**ALASKA WILT RESISTANT.** Desirable for planting in soil infested with wilt. In other respects it practically is the same as Alaska.

**AMEER.** Known as BIG POD ALASKA. Matures about 10 days later than Alaska. Height 3 feet; good quality.

**FIRST AND BEST EXTRA EARLY.** A very desirable early sort. Height of vine about 3 feet. Smooth seed.

**LARGE WHITE MARROWFAT.** Height, five feet. Vines and foliage stout, deep green.

Wrinkled varieties of English Peas priced uniform as follows:

Postpaid: ½ lb., 20c; 1 lb., 30c; 2 lbs., 50c. Not prepaid: ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c.

Prices on larger quantities given on our Green Ink List.

**AMERICAN WONDER.** A dwarf, early wrinkled sort; pods short but well filled; quality excellent. Height, one foot.

**BLISS EVERBEARING.** A good variety that continues in bearing a long time. Height, three feet.

**CHAMPION OF ENGLAND.** It grows 4 to 5 feet high and requires support, and large crop production more than repays any extra labor required.

**DWARF TELEPHONE.** Large, dark green pods 4½ inches long, matures in 68 days; vine 2½ feet in height.

**EARLY BIRD.** This variety is one week later than Early Alaska but has larger pods which are dark green in color, filled with plump sweet peas; seed being nearly smooth. They can be planted very early.

**GRADUS or PROSPERITY.** (55 days.) Vines about 3 feet high; bears profusely. The pods are almost as large as those of Laxtonian and filled with peas of the finest quality, sweet and tender.

**LAXTONIAN.** Eighteen inches. The largest-podded of the dwarf wrinkle Peas. A splendid new variety, becoming a favorite with those who grow for the market or for the home garden.



Little Marvel



Gradus or Prosperity

Quantity prices on Garden Peas are quoted on our Green Ink List enclosed.



# Peppers

**Culture**—One ounce will produce about 1,000 plants. For early plants sow in hotbeds the latter part of January, and transplant to open after all danger of frost is over, in rows 3 feet apart, 15 to 18 inches apart in the rows.

**Prices of 7 following varieties of Pepper: Postpaid, pkt., 5c; ½ oz., 20c; oz., 35c; 2 oz., 65c; ¼ lb., 90c; ½ lb., \$1.85; 1 lb., \$3.50.**

**Prices on large quantities quoted on our Green Ink List.**

**CALIFORNIA WONDER.** A giant-podded sweet Pepper, maturing very early, similar in shape to Bull Nose, but much larger and flesh thicker, deep green when young and a rich red when ripe; flavor mild.

**CHINESE GIANT.** This variety is one of the largest and finest Peppers. They are quite square, average 4 inches in diameter, and is of a bright, glossy-scarlet when ripe. The flesh is unusually thick and very mild.

**HARRIS EARLY GIANT.** Earliest of all large fruited sorts. A very large sweet Pepper, producing good crops.

**HUNGARIAN WAX.** A hot pepper that has become very popular in some localities. The fruits grow to be 4 to 5 inches long and 2 inches thick. It is first green, then creamy white and then red.

**BIRD'S EYE or CREOLE.** Very hot, used for Pepper Sauce.

**RED CHILL.** Small red conical pods, very hot.

**TABASCO.** Fine for seasoning; extremely pungent.

**Prices of the following 6 varieties of pepper: Postpaid, pkt., 5c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 70c; ½ lb., \$1.25; 1 lb., \$2.10.**

**BELL, or BULL NOSE.** A large early sort of mild flavor.

**LONG RED CAYENNE.** A well known medium early variety, with extremely strong and pungent flesh. Bears long, slender twisted pods, bright red.

**PIMENTO.** The sweetest Pepper grown, does not contain the slightest trace of fieriness; are medium in size and of a shape which is desirable for filling.

**RUBY KING.** A fine variety, very large and attractive. Fruits are 4 to 5 inches long, bright red when ripe.

**WORLD BEATER.** Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. Vigorous grower and very prolific.



Ruby  
Giant Pepper

**RUBY GIANT.** This is a cross between Ruby King and Crimson Giant and grows very large. It is earlier than Chinese Giant, the quality is mild and sweet, very productive.

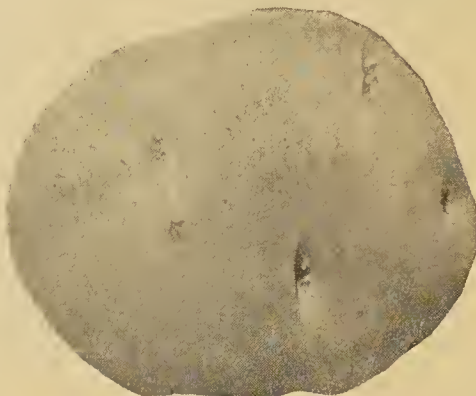
## Certified Irish Potatoes

**Culture**—Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches, and make rows 3 feet apart; cover eyes 4 inches; plant in February, March and April for early crops.

**CERTIFIED RED TRIUMPH.** You can depend on our stock of Bliss Red Triumphs. They are smooth, sound and free from diseases and true to type, so tagged and certified by the state which produces them. Remember, only State Certified Seed Potatoes can be shipped into Mississippi and other states.

**CERTIFIED IRISH COBBLER POTATOES.** A popular, early white potato of fine quality. Very productive.

On account of market fluctuations, we are unable to name prices on Irish Potatoes. Will be pleased to have you write during the month of February or later. Will then quote prices for prompt or future shipments.



Certified Red Triumph

## CERTIFIED SEED Sweet Potatoes

Plant only disease-free seed Sweet Potatoes and Sweet Potato Slips. They mean better quality and better crops. Can furnish the following varieties:

**CERTIFIED NANCY HALL.** Skin yellow, meat sweet, of amber yellow. Prices on request.

**CERTIFIED PORTO RICO YAMS.** Deep orange meat, soft, sweet and of best flavor; skin golden color with slight purplish tinge. Prices on request.

**Certified Sweet Potato Slips**  
**CERTIFIED NANCY HALL SLIPS.**  
**CERTIFIED PORTO RICO SLIPS.**  
Prices quoted on Green Ink List.

### Treat Irish Potatoes with New Improved SEMESAN BEL Treat Sweet Potatoes with CORROSIVE SUBLIMATE

These materials prevent and cure diseases and are priced on pages 1 and 54 of this book.

## Pumpkins

**Culture**—They may be grown as a field crop. Plant in hills 8 feet apart each way, and any time after first of May. Avoid planting near other vine crops, as they will hybridize and damage that crop. One ounce will plant about 25 hills, 4 pounds to the acre.

**YELLOW KENTUCKY FIELD.** A large variety of good quality; the standard pumpkin for field cultivation and stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c, postpaid.

Other Pumpkins sold at a uniform price: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 80c, postpaid.

Prices on larger quantities given on our Green Ink List.

**STRIPED CUSHAW.** Very productive, good for table and stock feeding.

**SMALL SUGAR.** Small, round, flat-ended. Very prolific. Deep orange-yellow flesh, fine grained and sweet. One of the best for pies.

**TENNESSEE SWEET POTATO.** Of medium size, creamy white, with light green stripes and fine-grained brittle flesh.

**JAPANESE PIE.** A large crook-necked sort; skin green, striped yellow. Flesh yellow and of fine quality.

**KING OF THE MAMMOTH.** Of extraordinary large size, good for growing for prizes; skin is orange colored, with bright yellow flesh of fine quality.

### SPECIAL OFFER

Select any 7—5c size packets of seed on this page for 25c.  
Select any 4—15c size packets of seed on this page for 50c.



Yellow  
Kentucky  
Field



# Radish

**Culture**—To be tender and crisp, radishes must be grown quickly and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about 10 days in a light, rich, deeply worked soil. For fall and winter, sow in August and September. One ounce sows 50 feet in drills; 10 to 12 lbs. to the acre.

**Price of the following varieties of Radish Seed, uniform, viz.:** Postpaid, packet, 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 45c. Prices on larger quantities given on our Green Ink List.

**EARLY SCARLET TURNIP.** A very early, small, round radish; entire radish is of a rich scarlet color.

**EARLY SCARLET TURNIP WHITE TIP.** Market gardeners' favorite radish for outdoor planting. Turnip-shaped; handsome scarlet in color, with a distinct white tip.

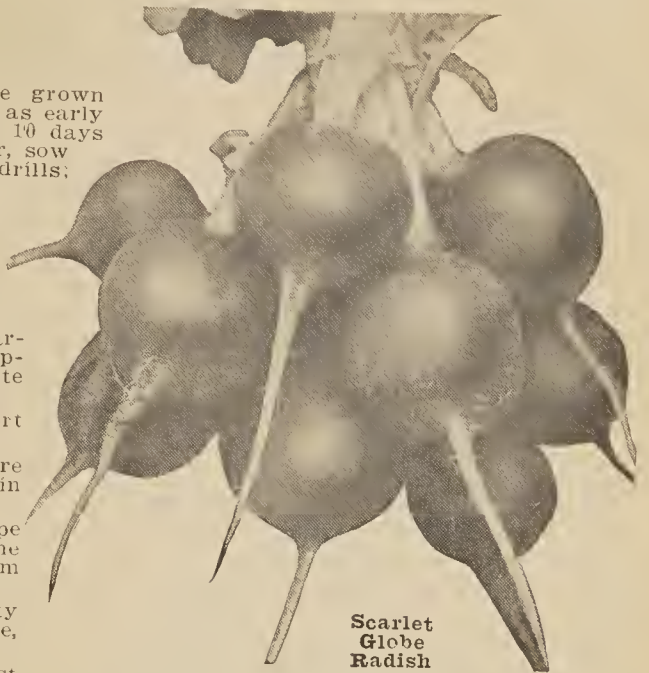
**EARLY LONG SCARLET SHORT TOP.** Early, very short top; splendid shape and color.

**EARLY SCARLET GLOBE.** The roots of this variety are slightly olive shaped and are a rich bright scarlet in color. The flesh is white and tender.

**COOPER'S SPARKLER.** This radish is an improved type of the Scarlet Turnip White Tip and is superior to the original. The top half is beautiful scarlet; the bottom half clear white.

**FRENCH BREAKFAST.** A very popular French variety of very rapid growth; color, scarlet, tipped with white, and small in size.

**ICICLE.** Long, slender, pure white, the earliest and finest long white radish.



Scarlet  
Globe  
Radish



White  
Icicle

## Winter and Forcing Radishes

**Prices uniform, viz.:** Postpaid, pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 60c.

**CHINESE WHITE MAMMOTH.** This is the Mammoth and finest of the Chinese varieties; they grow to a very large size, from 12 to 15 inches long and 5 inches in diameter, and mostly above ground; the roots are shaded by its heavy foliage, and are always crisp and mild.

**CHINA ROSE.** One of the very best for fall and winter use; bright rose color; flesh white and firm; superior quality.

**LONG BLACK SPANISH.** Grayish black in color; pungent, exceedingly crisp.

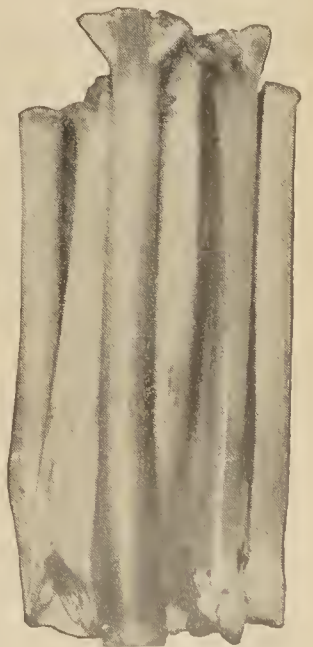
**COLUMBIA FORCING.** One of the earliest. It is perfectly globular, rich, brilliant scarlet at top, blending into pure white at bottom; tender and crisp. The greenhouse strain of Cooper's Sparkler for forcing.

## Rhubarb or Pie Plant

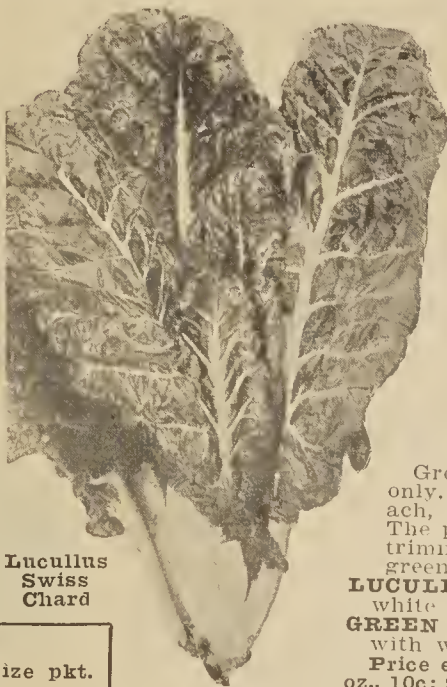
**Culture**—Plant in the early spring or fall in deep-worked soil, 4 feet apart each way. Mulch freely with manure or coarse litter. After stalks are well rooted and have grown freely, they may be used, and with care will last for years.

**Rhubarb Seed:** Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.40, postpaid.

**Rhubarb Roots:** 2 yr. strong roots, postpaid, each, 20c; 3 for 50c; 12 for \$1.75.



Rhubarb



Lucullus  
Swiss  
Chard

## SALSIFY (Oyster Plant)

**Culture**—The Oyster Plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill, 7 pounds to one acre.

**MAMMOTH SANDWICH ISLAND.** This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. Postpaid, pkt., 5c; oz., 15c; 2 oz., 30c; ¼ lb., 50c; ½ lb., 80c; 1 lb., \$1.35.

### SPECIAL OFFER

For 25c select any 7—5c size pkt. of Radish Seed postpaid.  
For 50c select any 7—10c size pkt. of Radish Seed postpaid.



Cooper's Sparkler



Salsify

## Swiss Chard

Grown for its leaves and stems only. Cook the leaves as you do spinach, and the stems like asparagus. The plant is almost perpetual if kept trimmed; also good for poultry greens.

**LUCULLUS.** Light green leaves with white ribs.

**GREEN CURLED.** Dark green leaves with white ribs.

**Price either variety, postpaid, pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 55c.**

Prices on large quantities quoted on our Green Ink List.



# Spinach

**Culture**—Requiring but little culture, it is one of the most easily managed of all vegetables. The main crop is sown from September until November. For summer use it may be sown at intervals of two or three weeks, from March to November. One ounce to 100 feet of drill; 10 to 12 pounds to an acre.

**BLOOMSDALE CURLED SAVOY.** The favorite market variety. The leaves are curled, tender and succulent. Postpaid, pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00; 10 lbs., \$1.30; 25 lbs., \$4.00.

**NEW ZEALAND.** The variety which endures heat and hence is an ideal variety for summer use. One single plant will grow to dimensions of 6 feet across, producing an abundance of thick, fleshy, juicy stems and leaves. Plant in hills 2 feet apart each way, 3 or 4 seeds to a hill. Postpaid, pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 55c.

Prices on the following varieties of Spinach listed below as follows: Postpaid, pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; ½ lb., 30c; 1 lb., 40c.

**NORFOLK BLIGHT RESISTANT SAVOY.** A variety of Bloomsdale Spinach that is Blight resistant. The leaves are dark green, crumpled, large and of beautiful appearance. For market, grow the Norfolk Blight Resistant Spinach.

**KING OF DENMARK.** Has beautiful crumpled dark green leaves, thick and of fine quality.

**GIANT NOBLE.** The leaves are smooth, very large, thick, broad arrow shaped with rounded tip and dark green in color, long standing in character.

**BROAD LEAVED FLANDERS.** Leaves bright green, broad and thick.

**NEW LONG STANDING BLOOMSDALE CURLED SAVOY.** A long standing strain. Remains in edible condition longer than most varieties.

Quantity prices for market gardeners on Spinach are given on our Green Ink List.



Bloomsdale  
Curled Savoy

# Squash

**Culture**—After danger of frost is past, plant in a warm, well-pulverized, rich soil, mixing well-rotted manure with the soil in each hill. Plant 8 or 10 seeds to the hill; the bush varieties 4 to 6 feet apart, the running sorts 8 to 10 feet.

## SUMMER VARIETIES

Prices as follows: Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 70c.

**EARLY WHITE BUSH PATTY PAN.** The most popular of white summer types of squash. The fruits are rather small, quite flat, with ridges or scalloped edges. The vines are bushy, and the fruits are 8 inches across.

**GOLDEN SUMMER CROOKNECK.** Of true bush growth, very early-fruited and productive. The skin is a beautiful deep orange and the flesh a rich shade of salmon-orange.

**GIANT STRAIGHTNECK YELLOW.** An excellent selection from the Crookneck Squash with comparatively straight neck, thus being more easily packed for shipment. The fruits are intensely warted. 18 to 20 inches long. Sweet and buttery.

**MAMMOTH WHITE BUSH.** Quite similar to the Early White Bush, from which it was originally selected. It differs in being about a third larger.

**GIANT YELLOW CROOKNECK.** Fruit is large, bright yellow and covered with warts. The vines run.



Early White Bush Patty Pan

## SPECIAL OFFER

For 25c select any 7—5c pkts. of Spinach or Squash seed.

For 50c select any 7—10c pkts. of Spinach seed.

For 50c select any 5—15c pkts. of Squash seed.



Golden  
Summer  
Crookneck.

## LATE VARIETIES

Prices as follows: Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., 90c.

**HUBBARD.** Flesh is bright yellow, thick, fine grained, very dry and sweet. Splendid for pies. A good keeper.

**COCOZELLE.** Italian Marrow or Green Bush Vegetable Marrow. A summer variety. Bush type, very productive, 12 to 16 inches long, 5 to 6 inches in diameter; skin dark green, marbled with yellow; good quality.

**TABLE QUEEN.** This is trailing in habit; acorn shaped fruits, ribbed, smooth, thin shelled dark green, flesh light yellow, sweet flavored.

**ZUCCHINI.** A long Italian squash. 18 to 24 inches long and 4 inches thick when matured. Dark green marbled with yellow and lighter green stripes. Usually picked at the length of 5 or 6 inches and stewed or fried in olive oil.

**GARDEN GUARD.** Is effective for controlling Squash Bugs, borers, etc. Safe to use being non-poisonous. Postpaid, 1 lb. box, 45c; 4 lb. pkg., 95c; not prepaid, 1 lb. box, 35c; 4 lb. pkg., 75c.



Hubbard  
Squash

# Tobacco

The seeds are sown in the spring. When these plants are almost 6 inches high, set out 2 feet apart, in drills, with rows 3 feet apart. One ounce of seed will make enough plants to set out three acres.

**HAVANA**—Grown largely for wrappers of cigars.

**IMPROVED WHITE BURLEY.** Fine for both chewing and smoking. Price of any of the above varieties: Pkt., 10c; oz., 40c, postpaid.



# Turnips

**Culture**—Spring sowing should be put in early, so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Cover the seed about  $\frac{1}{2}$  inch. Sow 1 pound to acre in drills, 2 pounds broadcast.

**SHOGGIN or JAPANESE LOUSE RESISTANT TURNIP.** A new variety that is becoming very popular in the South. Especially valuable for turnip greens, which are always in good demand during the late spring and summer months in the South. The leaves grow upright, about 2 feet high when fully developed, which make it practically free from insect attacks. The roots are pure white, between flat and globe in shape; however, this wonderful new sort is more largely planted for the tops than the roots. Postpaid, oz., 5c;  $\frac{1}{4}$  lb., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 35c.

**R.-H. CO.'S AMERICAN RED TOP GLOBE.** Grown for us on contract from our own special seed stock. A perfect globe-shaped with bright red or purple top and snow-white bottom. It does not taper like other types of the same variety. This is due to the utmost care in selection when growing for seed. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c, postpaid.

**EXTRA EARLY WHITE MILAN.** The earliest turnip. Tops very small, distinctly strap-leaved and growing very erect. Postpaid, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c.

**EXTRA EARLY PURPLE TOP MILAN.** A white variety, purple top and strap-leaf. This, with the Milan, is the earliest of all turnips. Postpaid, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c;  $\frac{1}{2}$  lb., 30c; 1 lb., 50c.

Prices on the following standard varieties of Turnip seeds, uniform as follows: Postpaid, oz., 5c;  $\frac{1}{4}$  lb., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 5 lbs., \$1.50.

Prices on larger quantities given on our Green Ink List.

**LARGE AMBER GLOBE.** Of large size, globe-shaped, solid yellow flesh; green top.

**LONG WHITE COW HORN.** A long white turnip 12 to 15 inches in length.

**LARGE WHITE GLOBE.** A popular variety. Makes large, round white roots, flesh white, solid, sweet and fine-grained, maturing in about 75 days.

**MAMMOTH PURPLE TOP WHITE GLOBE.** One of the handsomest and most salable turnips. It is a large, rapid-growing sort, being ready for the table or market in about 65 days, with globular-shaped roots. Flesh pure white

Shogoin  
or Japanese  
Louse  
Resistant  
Turnip

## Special Offer

For 25c select any 7—5c size pkts. of turnip seeds, postpaid.

For 50c select any 7—10c size pkts. of turnip seeds, postpaid.

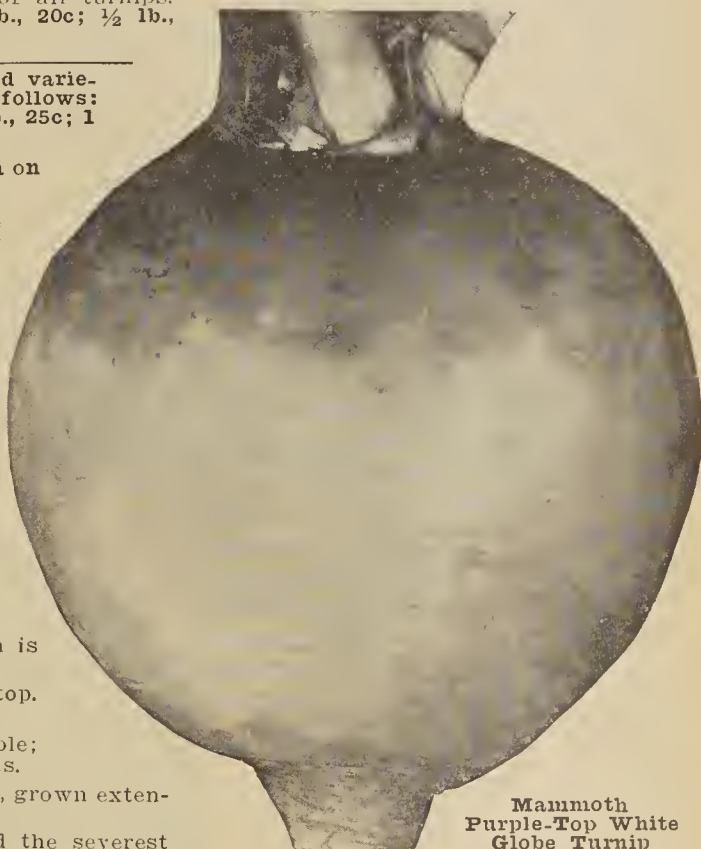
and the best flavored of all turnips, raw or cooked. The skin is white, with a purple top.

**RED or PURPLE TOP STRAPLEAF.** Flat white, with purple top. Fine-grained and tender.

**R.-H. CO.'S MIXED TURNIPS.** A general mixture; very desirable; produces greens and turnips early and late; fine for home gardens.

**SOUTHERN SEVEN TOP.** The old standard popular salad variety, grown extensively for this purpose.

**SOUTHERN PRIZE.** Forms large snow-white bulbs that stand the severest winter.



Mammoth  
Purple-Top White  
Globe Turnip

**WHITE FLAT DUTCH STRAPLEAF.** An extra early pure white, flat growing variety.

**WHITE EGG.** A quick-growing, egg-shaped, pure white variety.

**YELLOW ABERDEEN PURPLE TOP.** A splendid variety with firm, solid, yellow meat.

## RUTABAGA

**Culture**—Sow in drills or broadcast in June, July and August.

**IMPROVED PURPLE TOP YELLOW.** The finest and most profitable of all yellow, purple-top Rutabagas, being the hardiest, heaviest, best shaped and most productive. The flesh is of a beautiful color, of the choicest quality. Matures in 95 days. Oz., 5c;  $\frac{1}{4}$  lb., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 40c, postpaid.

## GARDEN GUARD

If you are bothered with chewing or sucking insects in your garden, use Garden Guard—a non-poisonous powder. Safe and convenient to use. 1-lb. pkg., 35c; 4-lb. pkg., 75c. Postpaid, 45c and 95c.



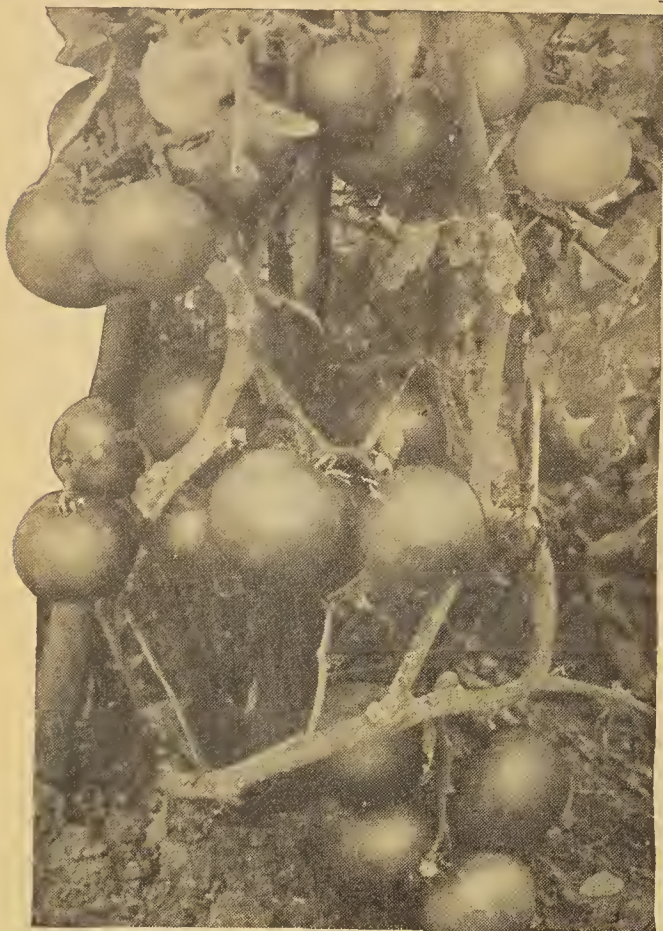
Improved  
Purple Top  
Yellow  
Rutabaga



Red or Purple Top Strap Leaf



# R.-H. Co.'s Top Notch Tomatoes



Master Marglobe

**Culture**—The seed should be sown in March in a hotbed or greenhouse, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. About the middle of April the plants may be set in the open ground from 4 to 5 feet apart each way. One ounce produces about 1,500 plants. To prevent rot and blight on tomato plants, spray them with Pyrox when first fruits have set.

Prices on large quantities quoted on our Green Ink List.

**GREATER BALTIMORE.** A perfect deep, rich red, tomato. One of the most productive of all varieties. It is especially fine for canning since it is solid and of fine flavor. **Pkt., 5c; ½ oz., 15c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 60c; ½ lb., 90c; 1 lb., \$1.35, postpaid.**

**GULF STATE MARKET.** One of the finest early globe-shaped tomatoes yet produced. Color deep purplish pink, smooth skin and free from cracks. **Pkt., 5c; ½ oz., 20c; oz., 30c; 2 oz., 50c; ¼ lb., 90c; ½ lb., \$1.50; 1 lb., \$2.75, postpaid.**

**MARGLOBE.** This is our regular stock of Marglobe, while not equal to our other strains of this excellent variety, it is as good as any stock sold by other seed houses. Our grower procured the original stock from the U. S. Department of Agriculture. **Pkt., 5c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 60c; ½ lb., 90c; 1 lb., \$1.50, postpaid.**

**MASTER MARGLOBE (Certified).** This is extra selected stock, brought to perfection by the originators from whom we procured our supply. Master Marglobe has a deeper color, rich deep scarlet and grows very uniform, more globe-shaped than the standard type. Master Marglobe is a heavy yielder of fine large tomatoes which have a thick firm meat and small seed cavity. Is medium early, almost 100 percent blight and nail-head resistant and is well suited for almost all soils. **Pkt., 10c; ½ oz., 35c; oz., 50c; 2 oz., 90c; ¼ lb., \$1.50; ½ lb., \$2.50; 1 lb., \$4.25, postpaid.**

**MORSE'S 498.** Very early, 63-65 days; more globe shaped than Earliana and averages larger, color bright scarlet, adapted for very early market. **Pkt., 5c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., \$1.20; 1 lb., \$3.75, postpaid.**

**EARLY ACME.** Early and bears fruit until cut off by frost. Fruit is purplish-pink, always round, smooth and of good size, and is borne in clusters of four or five; free from cracks and stands shipment well. Flesh is solid and of excellent flavor. **Pkt., 5c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; ½ lb., \$1.40; 1 lb., \$2.25, postpaid.**

**BONNY BEST.** An early variety maturing a little later than Earliana. Fruit medium size, color bright scarlet, exceedingly smooth, handsome shape, ripens evenly close up to the stem. It is very prolific and we recommend it as a first-class sort. **Pkt., 5c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.90, postpaid.**

**BEEFSTEAK.** Large fruit, 4 to 5½ inches across, nearly always perfectly smooth, glossy, bright red flesh. Very solid; excellent quality, few seeds; ripening up to stem; good keeper and a good shipper. **Pkt., 5c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., \$1.25; ½ lb., \$2.00; 1 lb., \$3.00, postpaid.**

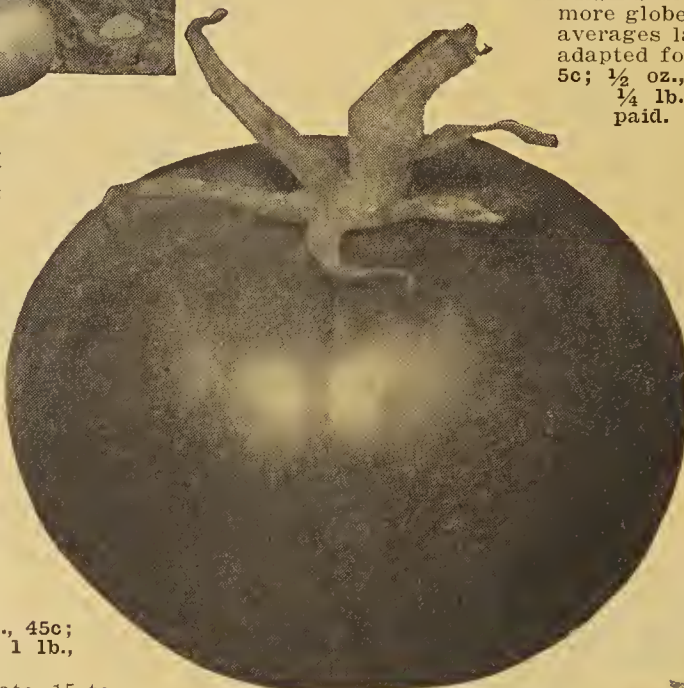
**BRIMMER.** A great, big, solid red Tomato, 15 to 16 inches in circumference, weighing 2 to 2½ pounds each. It is all meat, very few seeds. The vines bear a tremendous load of fruits right up to frost and the fruits continue large until the end of the season. They are bright red, smooth and will not crack. **Pkt., 5c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., \$1.25; ½ lb., \$2.00; 1 lb., \$3.75, postpaid.**

**BREAK O' DAY.** The fruit is the same color, shape and size and solidity as Marglobe, but is ten to twelve days earlier than Marglobe. Break o' Day will mature along with Bonny Best and other early varieties. 90 days. **Pkt., 5c; ½ oz., 20c; oz., 30c; 2 oz., 50c; ¼ lb., 75c; ½ lb., \$1.25; 1 lb., \$2.25, postpaid.**

**DWARF PONDEROSA.** A most productive Dwarf Tomato, producing a high yield of mammoth fruits. The tomatoes average 4 inches in diameter and are about 3½ inches thick. **Pkt., 5c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., \$1.25; ½ lb., \$2.25; 1 lb., \$4.00, postpaid.**

**EARLIANA.** A fine scarlet tomato. Ready for the market very early. Ripens uniformly and is a good yielder. Smooth, always round and good first size. Flesh is very thick, firm. **Pkt., 5c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.75, postpaid.**

**EARLY DETROIT** The largest and best of the early purplish tomatoes. Fruits very smooth, nearly globe-shaped, firm and of excellent quality. **Pkt., 5c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; ½ lb., \$1.25; 1 lb., \$2.25, postpaid.**



Gulf State Market

## Special Offer On TOMATO SEEDS

Select any 7—5c size packets for 25c.

Select any 7—10c size packets for 50c.



Greater Baltimore



R.-H. Co.'s Top Notch Tomatoes

**LIVINGSTON'S GLOBE.** The fruits are of large size, always smooth, with firm flesh that ripens evenly; color, a fine glossy rose, tinged with purple. Quality good, being mild, pleasant and of delicious flavor. Almost blight-proof. Pkt., 5c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; ½ lb., \$1.25; 1 lb., \$2.50, postpaid.

**COOPER'S SPECIAL.** Fruits purplish pink, globe shaped, medium size, flesh solid, matures in 78 days, valuable for early shipping. Pkt., 5c; ½ oz., 20c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; 1 lb., \$3.00, postpaid.

**GROTHEN GLOBE.** A new early wilt-resistant variety, maturing in 73 to 75 days, similar to Break-O-Day but the fruits are deeper. Pkt., 10c; ½ oz., 25c; oz., 40c; 2 oz., 60c; ¼ lb., \$1.00; 1 lb., \$3.50, postpaid.

**NEW STONE.** The Greatest of All Canning Tomatoes. Always of good size, deep through from stem to blossom-end and very firm. Skin is bright scarlet, perfectly smooth. Flesh is very solid and of finest flavor. Pkt., 5c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 50c; ½ lb., 80c; 1 lb., \$1.35, postpaid.

**OXHEART.** Fruits, large, smooth, purplish pink, almost seedless. Flesh is very thick and delicious. The name is derived from its shape which is large at stem end, tapering almost to a point. Pkt., 10c; ½ oz., 30c; oz., 50c; 2 oz., 85c; ¼ lb., \$1.40; ½ lb., \$2.25; 1 lb., \$4.25.

**PONDEROSA.** One of the best for home use. Fruits deep purplish pink; extremely large, commonly 16 to 20 ounces each; deep but flat; very fleshy with few seeds; 100 days. Pkt., 5c; ½ oz., 25c; oz., 40c; 2 oz., 70c; ¼ lb., \$1.00; ½ lb., \$1.80; 1 lb., \$3.25, postpaid.

**PRITCHARD.** Formerly known as Scarlet Topper, coming from the same source as Marglobe. Pritchard is wilt-resistant, and its very open foliage produces fruits of large size. The color of the fruit is brighter red than the Marglobe and is perfectly smooth, quite large and solid. Pkt., 5c; ½ oz., 20c; oz., 35c; 2 oz., 50c; ¼ lb., 80c; ½ lb., \$1.40; 1 lb., \$2.35, postpaid.

**RED HEAD.** A superb early maturing variety coming into bearing with Earliana, however, it is perfectly smooth, of larger size and a deep but bright red color and holds its size throughout season. Pkt., 5c; ½ oz., 20c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; ½ lb., \$1.75; 1 lb., \$3.00, postpaid.

**YELLOW PONDEROSA.** Equals Ponderosa in size, but bears rich golden-yellow fruits in abundance. Pkt., 10c; ½ oz., 30c; oz., 50c; 2 oz., 85c; ¼ lb., \$1.40; ½ lb., \$2.00; 1 lb., \$3.75, postpaid.

Preserving Tomatoes

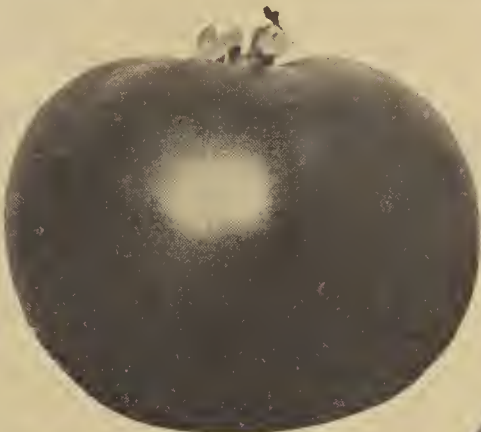
**RED PEAR.** Pkt., 10c; ½ oz., 25c; oz., 45c.  
**RED PLUM.** Pkt., 10c; ½ oz., 25c; oz., 45c.  
**YELLOW PEAR.** Pkt., 10c; ½ oz., 25c; oz., 45c.  
**YELLOW PLUM.** Pkt., 10c; ½ oz., 25c; oz., 45c, postpaid.



Giant Ponderosa

Special Offer On TOMATO SEEDS

Select any 7—5c size packets for 25c.  
Select any 7—10c size packets for 50c.



New Stone



Cooper's Special



Oxheart Tomato

Tomato Plants

Ready April 1st. We can supply the following varieties:

Bonny Best Master Marglobe  
Ponderosa Gulf State Market  
New Stone  
Greater Baltimore

Hotbed or Seedling Stock—Prices: 25, 25c; 50, 40c; 100, 65c; 500, \$2.25, postpaid. Not prepaid: 25, 15c; 50, 30c; 100, 50c; 500, \$2.00; 1000, \$3.00.

Transplanted Hotbed Grown—Prices: Doz., 30c; 25, 50c; 50, 75c; 100, \$1.20; 200, \$1.90, postpaid. Not prepaid: Doz., 20c; 25, 40c; 50, 60c; 100, \$1.00; 200, \$1.50.

Potted Tomato Plants

We can supply three varieties, Gulf State Market, Master Marglobe and Ponderosa, in 2½ inch paper pots. Postpaid: Doz., 80c; 100, \$4.90. Not prepaid: Doz., 60c; 100, \$4.50.

Certified Tomato Seed

These as noted are certified and special stocks of seeds saved from the choicest crown picked fruits, especially desirable for market gardeners use.

10c Packet Any Variety Postpaid.

	½ oz.	1 oz.	2 oz.	¼ lb.	1 lb.
CERTIFIED PRITCHARD	\$.30	\$.50	\$.80	\$1.25	\$3.75
CERTIFIED MARGLOBE	.30	.50	.80	1.25	3.75
CERTIFIED MASTER MARGLOBE	.35	.50	.90	1.50	4.25

Aero Cyanamid

Use on your Tomato crop. Will produce larger fruit and a heavier crop. See Green Ink List for prices.



Red Pear Tomatoes



# R. H. Co.'s FLOWER SEEDS

Our stocks of flower seeds are new crop, the finest California and European grown. They are as good as can be procured from any other seedsmen. Our list is complete, containing many of the new introductions as well as all the standard varieties. Our Zinnias and Verbenas come from the house of Bodgers, the introducer of the newer varieties in these two most beautiful flowers.

## SOWING FLOWER SEEDS

**CULTURAL DIRECTIONS.** Light, rich loam is most suitable for flowers. The soil should be finely pulverized for best results. This is of paramount importance if one wishes to grow them successfully. They, in common with all other seeds, should be sown thinly and the soil pressed firmly over them and then cover lightly with damp, peat moss. Water frequently. A good plan is, sow the seeds in rows about 8 inches apart, then transplant to the permanent garden later.

**All Prices on Flower Seeds are Postage Paid**

### Acroclinium

A pretty everlasting, bearing graceful, daisy-like flowers, pretty bright rose and white with yellow centers, which, when cut in the bud state, can be dried and used for winter bouquets. Double mixed. 1 foot. Pkt., 5c; ½ oz., 20c; oz., 35c.

### Ageratum

Very showy plants; bloom profusely the whole summer; fine as cut flowers; splendid for borders, ribbon beds, etc. Half-hardy annuals.

**DWARF BLUE.** Pkt., 10c; ½ oz., 30c; oz., 50c.

**FINEST MIXED.** Pkt., 5c; ½ oz., 25c; oz., 40c.

**BLUE BALL.** Compact dwarf 6 inches high, glossy Ageratum, blue flowers. Pkt., 10c; ½ oz., 30c; ½ oz., 50c.

### Alyssum

Six to eight inches high; a fragrant, hardy annual, bearing spikes of small white flowers in great profusion.

**SWEET ALYSSUM.** Pkt., 5c; ½ oz., 20c; oz., 30c.

**GOLDEN YELLOW.** Hardy perennial, but blooms the first year from seed if sown early. Grows 12 inches high. Pkt., 10c; ½ oz., 35c; oz., 60c.

**LITTLE GEM.** 3 to 4 inches high; fine for borders. Pkt., 5c; ½ oz., 25c; oz., 40c.

### Amaranthus

Annual, colored foliage plants of easy culture.

**CAUDATUS (Love-Lies-Bleeding).** Very attractive; 3 feet. Pkt., 5c; ½ oz., 15c; oz., 25c.

**CRUENTUS.** Showy annual, known as Princess Feather. Pkt., 5c; ½ oz., 15c; oz., 25c.

**TRICOLOR.** Very attractive annual, called Joseph's Coat. Pkt., 5c; ½ oz., 30c; oz., 50c.

**SUNRISE.** The most brilliant of this family. The foliage is bronzy crimson with bright scarlet-carmine leaves. Pkt., 10c; ½ oz., 50c; ¼ oz., 75c.

### Special Offer

Select any 7—5c packets Flower seed on this page for 25c.

Select any 7—10c packets Flower seed on this page for 50c.



Sunshine Aster



Sweet Alyssum

### Antirrhinum

(Snapdragon)

One of the most beautiful and useful bedding plants, blooming profusely throughout the summer. Fine for cutting. Seed sown the first week in April will bloom from July until frost.

**RUST PROOF CALIFORNIA GIANT.**

A new type of this popular flower; plants vigorous, healthy and free of any disease. Bushes even and compact in habit; 20-24 inches in height and bear long spikes of close spaced, extra large florets. This is an excellent strain for border beds, or cutting.

**RUST PROOF ANTIRRHINUM.** Red Shades. Pkt., 20c; ½ oz., 75c; ¼ oz., 1.25.

**RUST PROOF ANTIRRHINUM.** Pink Shades. Pkt., 20c; ½ oz., 75c; ¼ oz., \$1.25.

**RUST PROOF ANTIRRHINUM.** Yellow Shades. Pkt., 20c; ½ oz., 75c; ¼ oz., \$1.25.

**RUST PROOF ANTIRRHINUM.** Shasta White. Pkt., 25c; ½ oz., \$1.00; ¼ oz., \$1.50.

**RUST PROOF ANTIRRHINUM.** Giant Mixed. Pkt., 15c; ½ oz., 50c; ¼ oz., 75c.

**MAJUS NANUS, CRIMSON.** A rich crimson Snapdragon. Pkt., 10c; ½ oz., \$1.00.

**MAJUS NANUS, GOLDEN QUEEN.** Beautiful golden-yellow. Pkt., 10c; ½ oz., \$1.00.

**MAJUS NANUS, QUEEN OF THE NORTH.** Snow White. Pkt., 10c; ½ oz., \$1.00.

**MAJUS NANUS, SILVER PINK.** Satiny pink. Pkt., 10c; ½ oz., \$1.00.

**DWARF MIXED.** Many colors. Pkt., 10c; ¼ oz., \$1.00; ½ oz., \$1.50; oz., \$2.50.

**TALL MIXED.** Many colors. Pkt., 5c; ½ oz., 35c; oz., 50c.



Antirrhinum (Snapdragon)

### Asters

Possibly the most popular annual flower grown. It is an annual that is easy to grow. Has wonderful lasting qualities, both in the garden and as a cut flower.

**AMERICAN BEAUTY WILT RESISTANT.** Now you can grow Asters that will not wilt and die before they flower. Use this Wilt Resistant strain. Am. Beauty, crimson, carmine-rose, flesh-pink, purple, white, and mixed. Pkt., 10c; ½ oz., 40c; ¼ oz., 75c.

**CHINA ASTER.** Mixed colors. Pkt., 5c; ¼ oz., 25c; ½ oz., 35c.

**GIANT COMET.** A good variety with large blossoms, the petals of which are long, narrow and curled backwards. Mixed colors. Pkt., 10c; ¼ oz., 40c; ½ oz., 60c.

**HEART OF FRANCE ASTER.** Plants of branching habit, grows 1½ to 2 ft. in height, rich, ruby red in color. Pkt., 10c; ¼ oz., \$1.00; ½ oz., \$1.50.

### Asters

**MAMMOTH GIANT PEONY FLOW-ERED.** A beautiful double variety with extra large blossom. Finest mixed colors. Pkt., 10c; ¼ oz., 75c; ½ oz., \$1.25.

**SUNSHINE ASTER.** These have twisted and quilled petals, are very showy and attractive. All have a cushioned center of tiny quills of a contrasting color, which makes the flower look as if it were covered with snowflakes. Price, pkt., mixed colors, 10c; ¼ oz., \$1.00.

**ALL COLORS MIXED.** A combination of all varieties, double, of globular shape and imbricated; 1½ feet high. Pkt., 5c; ¼ oz., 40c; oz., 60c.



### Bachelor's Button

Also called Cornflower. Of easy culture; sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual.

**SINGLE MIXED.** Pkt., 5c; oz., 35c.

**DOUBLE MIXED.** Pkt., 10c; oz., 40c.

**SINGLE BLUE.** Pkt., 10c; oz., 40c.

**DOUBLE PINK.** Pkt., 10c; oz., 40c.

**DOUBLE BLUE.** Pkt., 10c; oz., 40c.

**DOUBLE MAROON.** Pkt., 10c; oz., 40c.

**DOUBLE RUBY.** Pkt., 10c; oz., 40c.

### Balsam

Transplanting two or three times has a tendency to dwarf the plants to make the flowers more double.

**DOUBLE MIXED.** Pkt., 5c; ½ oz., 20c; oz., 35c.

### Balsam Apple

Long, pear-shaped fruit with very fine, glossy green foliage. This is a pretty climber. Pkt., 5c; ½ oz., 25c; oz., 35c.

### Balloon Vine

A rapid growing climber; thrives in light soil. Pkt., 5c; ½ oz., 15c; oz., 25c.

### Blue Lace Flower

Beautiful, large, lace-like flowers, similar to wild carrot, but of a lovely delicate azure-blue gracefully poised on long stems. Sow in the hot-bed in March, and outdoors in May and again in June, and you can cut flowers until frost. Pkt., 10c; ½ oz., 40c.

### Calendula

Very hardy annual; 1 foot high. Have showy double flowers blooming until frost and producing fine effect in borders.

**BALL'S GOLDEN.** Deep golden yellow. Pkt., 10c; ½ oz., 30c; oz., 45c.

**CAMPFIRE (Sensation).** Beautiful double brilliant orange flowers with a crimson or scarlet sheen. A vigorous variety. Pkt., 10c; ¼ oz., 25c; oz., 60c.

**CHRYSANTHA.** Double flowers in every shade of yellow from ivory to deep orange. Pkt., 10c; ¼ oz., 25c; oz., 60c.

**ORANGE KING.** Its outstandingly rich orange flowers are fully double, well rounded, and carried on fine long stems. Pkt., 10c; ½ oz., 25c; oz., 40c.

**LEMON QUEEN.** The color is an intense rich lemon-yellow of great brilliancy. Pkt., 10c; ½ oz., 25c; oz., 40c.

**ORANGE SHAGGY.** Distinct lacinated type, deep orange, shading lighter at center. Most attractive. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c.

**RADIO.** Deep orange with quilled petals, a beautiful variety. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.

**SUNSHINE.** The all American gold medal winner. Bright golden yellow flowers with long center petals; has the appearance of a Chrysanthemum. Pkt., 10c; ¼ oz., 25c; oz., 60c.

**MIXED CALENDULA.** All double sorts. Pkt., 5c; ½ oz., 15c; oz., 25c.

### 12

### California Rose Bnshes Only \$4.00

Fine two-year field grown stock—  
4 pink 4 red  
2 yellow 2 two-toned

Our selection, all fine varieties, only \$4.00, postpaid.

### Canary Bird Vine

A beautiful climber with curiously shaped little canary-colored blossoms. Tender annual. Pkt., 5c; ½ oz., 20c; oz., 35c.

### Canterbury Bells

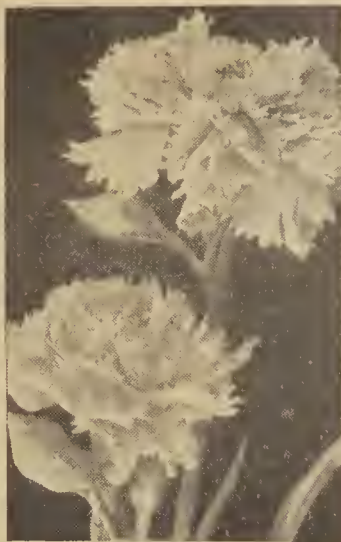
Handsome, hardy biennial of stately growth, rich color and profuse bloom. Height 2 to 3 feet.

**CANTERBURY BELL.** Mixed colors. Pkt., 5c; ½ oz., 25c; oz., 40c.

**ANNUAL CANTERBURY BELL.** Blooms the first season from seed. Mixed colors. Pkt., 10c; ½ oz., \$1.00.

### Canna

A very showy plant with massive foliage and clusters of brilliant blooms in tropical effect. Seed should be soaked in warm water 24 hours. Mixed colors. Pkt., 5c; ½ oz., 20c; oz., 35c.



Carnation



Orange King Calendula



Giant Empress  
Candytuft



Canterbury Bells

### Candytuft

Popular small annual for general planting. Grows from 12 to 18 inches high and is fine for edging or massing in beds.

**GIANT EMPRESS.** Produces long spikes of bloom resembling a white Hyacinth. Pkt., 10c; ½ oz., 20c; oz., 30c.

**UMBELLATA.** Finest mixed. Pkt., 5c; ½ oz., 15c; oz., 25c.

### Calliopsis

Showy, beautiful, free-flowering annuals, excellent for cutting and massing. **MIXED.** Pkt., 5c; ½ oz., 20c; oz., 35c.

### Cardinal Climber

An annual climber and of rapid growth, attaining a height of 20 feet. Bears many small scarlet flowers. Pkt., 10c; ½ oz., 50c; oz., 80c.

### Carnation

The flowers are large, double and very fragrant. Mixed colors. Pkt., 10c; ½ oz., 60c; oz., \$1.00.

### Castor Bean—Ricinus

Tall, large plants with large palm-like leaves of a bright green and variegated color. Makes a splendid background. Frequently used in garden borders as a prevention against moles.

**GIBSONII.** Bronzy red, green leaves. Seed pods brilliant crimson. Pkt., 10c; ½ oz., 20c; oz., 30c.

**ZANZIBARIENSIS.** Stately and tall, average height 12 ft. Beautiful foliage. Pkt., 10c; ½ oz., 15c; oz., 25c.

**MIXED.** A fine mixture, excellent for background. Pkt., 5c; ½ oz., 10c; oz., 15c.

### Chinese Woolflower

Plant grows 2 to 3 feet high; produces roundish heads like a ball of wool, of rich colors. Mixed. Pkt., 10c; ½ oz., 75c; oz., \$1.25.

### Chrysanthemum

Free-flowering plants of branching habit, grow freely from seed, and are of easy culture, very desirable for cutting. They should be given plenty of room—from 2 to 2½ feet. Hardy annual. 1 to 1½ feet.

**DOUBLE CHOICE HYBRIDS.** Mixed. Pkt., 5c; ½ oz., 30c; oz., 50c.

**CORONARIUM, DOUBLE.** Mixed colors. Pkt., 5c; ½ oz., 25c; oz., 40c.

### Cobaea Scandens

(Cup and Saucer Vine)

A climber of rapid growth; large, bell-shaped flower. Pkt., 5c; ½ oz., 35c; oz., 60c.

### Cocksecomb

The finest type of the feathery cockscomb. Huge plumes of flowers.

**DWARF MIXED.** Pkt., 5c; ½ oz., 60c; oz., \$1.00.

**EMPRESS DWARF CRIMSON.** Pkt., 10c; ½ oz., \$1.00; oz., \$1.50.

### Coleus

Probably the best known of ornamental foliage plants. Tender annual. Mixed colors. Pkt., 10c; ¼ oz., 75c.

### SPECIAL OFFER

Select any 7—5c size Packets Flower seed on this page for 25c.

Select any 7—10c size Packets Flower seed on this page for 50c.



## Columbine

Easily grown, old-fashioned perennials for borders.

**MIXED.** Pkt., 5c; ½ oz., 35c; oz., 60c.

**LONG SPURRED.** Mrs. Scott Elliott's Strain. Mixed colors. Pkt., 10c; ½ oz., 75c; oz., \$1.25.

## Coreopsis

**Lanceolata Grandiflora**

One of the finest hardy garden plants grown. 2 to 3 feet high, producing immense, long stemmed, rich yellow flowers.

**DOUBLE YELLOW.** Pkt., 5c; ½ oz., 25c; oz., 40c.

**CORNFLOWER** (See Bachelor's Button).



Double Crested Cosmos

## Cosmos

A tall, graceful, showy annual, enjoying the widest popularity. Blooms profusely in late Summer and Autumn. Excellent for cut flowers. Plants 3 to 4 feet high.

**ORANGE FLARE.** Vivid orange in color, a beautiful shade, long wiry stems for cutting very early. Pkt., 10c; ¼ oz., 75c; ½ oz., \$1.25; oz., \$2.00.

**EARLY FLOWERING.** Mixed. Pkt., 5c; ½ oz., 30c; oz., 50c.

**GIANT FLOWERING.** Mixed. Pkt., 5c; ½ oz., 20c; oz., 35c.

**GIANT FLOWERING PINK.** Pkt., 10c; ½ oz., 25c; oz., 40c.

**GIANT FLOWERING CRIMSON.** Pkt., 10c; ½ oz., 25c; oz., 40c.

**GIANT FLOWERING WHITE.** Pkt., 10c; ½ oz., 25c; oz., 40c.

**KLONDYKE ORANGE.** Pkt., 10c; ½ oz., 40c; oz., 75c.

## Cosmos Sensation

The flowers are mammoth in size, 4 to 5 inches across with broad fluted petals, carried on long stiff stems. Early flowering, blooms in ten weeks from time of seeding.

**DOUBLE CRESTED.** Beautiful double crested flowers. Mixed colors. Pkt., 10c; ½ oz., \$1.00; oz., \$1.50.

**DOUBLE CRESTED PINK BEAUTY.** Pkt., 10c; ½ oz., 75c; ½ oz., \$1.25.

## Cypress Vine

Rapid climber; fine for trellises and arbors.

**RED.** Pkt., 10c; ½ oz., 35c; oz., 50c.

**MIXED.** Pkt., 5c; ½ oz., 20c; oz., 35c.

## Dahlia

One of our best autumn-flowering plants; blooms until killed by frost; half hardy perennial, blooming the first year from seed if sown early. They prefer rich, deep soil.

**DOUBLE MIXED.** Pkt., 10c; ½ oz., \$1.00; oz., \$1.50.

**SINGLE MIXED.** Contains many desirable shades and markings. Pkt., 5c; ½ oz., 40c; oz., 75c.

**MIGNON DWARF HYBRIDS.** Semi-double in many attractive shades. Bushing plant about 18 inches high. Pkt., 10c; ¼ oz., \$1.00; ½ oz., \$1.50; oz., \$2.50.

## Daisy Perennial

**DOUBLE MIXED DAISY.** Pkt., 10c; ½ oz., \$1.25; oz., \$2.00.

**SHASTA DAISY.** Pure white. Pkt., 10c; ½ oz., 75c; oz., \$1.25.

## Delphinium

**DELPHINIUM — PERENNIAL LARKSPUR.** Beautiful flowers on spikes 3 to 5 feet high. Plant in semi-shade. Use Aluminum Sulphate in the soil and watch them bloom.

**BELLADONNA.** Light blue flowers, dwarf growth. Pkt., 10c; ½ oz., 50c; ¼ oz., 75c; ½ oz., \$1.25.

**BELLAMOSUM.** Dark blue on tall spikes. Pkt., 10c; ½ oz., 60c; ¼ oz., \$1.00; ½ oz., \$1.50.

**CHOICE MIXTURE,** many shades. Pkt., 10c; ¼ oz., 40c; ½ oz., 60c; ½ oz., \$1.00.

## Eschscholtzia

California Poppy

The State flower of California. A bright free-flowing plant of low-spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seeds where the plants are to remain.

**AURANTIACA.** A beautiful deep orange California Poppy.

**MANDARIN.** Clear Chinese yellow.

**ROSY QUEEN.** A rich rosy pink, a beautiful color.

**GOLDEN WEST.** Bright golden yellow.

**SALMON BEAUTY.** Rich salmon-pink.

**THE GEISHA.** Gold-orange and crimson.

Price, above six varieties: Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 50c.

**MIXED COLORS.** Rich in crimson, pink and orange-scarlet shades. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 35c.



California Poppy—Eschscholtzia

## Forget-Me-Not

Six inches. Graceful flowers mostly in shades of blue.

**MYOSOTIS.** Pkt., 5c; ½ oz., 50c; oz., 80c.

**CHINESE FORGET-ME-NOT** (Cynoglossum). Blue. Pkt., 5c; ½ oz., 30c; oz., 50c.

## Foxglove (Digitalis)

Grows to the height of 3 to 4 feet, with dense spikes of brilliantly colored flowers.

**GLOXINIAFLORA.** Purple. Pkt., 10c; ½ oz., 35c.

**THE SHIRLEY.** Giant hybrid, showy, spotted throat. Pkt., 5c; ½ oz., 35c.

**FINEST MIXED.** Pkt., 5c; ½ oz., 30c; oz., 50c.

## Four O'clock

Hardy annual, 2 feet high. Mixed. Pkt., 5c; ½ oz., 10c; oz., 15c.

## Gaillardia (Blanket Flower)

For beds or for cutting. Hardy annual, 2 feet.

**DAZZLER.** Perennial. Intense maroon red and yellow. Pkt., 10c; ½ oz., 50c; oz., 75c.

**PICTA.** Annual. Mixed colors. Pkt., 5c; ¼ oz., 25c; ½ oz., 35c; oz., 50c.

**BURGUNDY.** New coppery scarlet perennial. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00.

**INDIAN CHIEF.** Annual bronzy red. Pkt., 10c; ½ oz., 30c; oz., 50c.

**RED AND GOLD.** Annual. Single, bi-color. Pkt., 10c; ½ oz., 25c; oz., 45c.

## Gomphrena Globe Amaranth

Flowers resemble clover heads and when dried are used for winter bouquets.

**Pink, Rosy Pink.** Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

**Purple, Rich Royal Purple.** Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

**Red.** Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

**Yellow.** Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

**Mixed, All Colors.** Pkt., 5c; ¼ oz., 15c; ½ oz., 25c.

## Gourds

A tribe of climbers with curiously shaped fruit, 10 to 12 feet high. Mixed varieties. Pkt., 5c; ½ oz., 20c; oz., 35c.



1 lb. pkg., 10c; 5 lb. pkg., 45c; 10 lb. pkg., 85c; 25 lb. bag, \$1.50; 50 lb. bag, \$2.50; 100 lb. bag, \$4.00. Postpaid 1 lb. pkg., 20c; 5 lb. pkg., 60c; 10 lb. pkg., \$1.10.





Gypsophila—Baby's Breath

**Gypsophila**  
Graceful, free-flowering plant, excellent for cutting and mixing in bouquets.  
**BABY'S BREATH.** Covent Garden Strain. White. Pkt., 5c; ½ oz., 15c; oz., 25c.  
**ROSEA.** Pink Gypsophila. Pkt., 5c; ½ oz., 20c; oz., 35c.  
**PERENNIAL.** White. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c.

**Hollyhocks**  
One of the most majestic and desirable of hardy perennial plants, and a clump or line in any garden gives an effect not attainable with any other plant.  
Sow in April, May or June for next year's blooming.  
**DOUBLE RED.** Pkt., 10c; ½ oz., 75c; oz., \$1.25.  
**DOUBLE PINK.** Pkt., 10c; ½ oz., 75c; oz., \$1.25.



Double Hollyhock

**DOUBLE WHITE.** Pkt., 10c; ½ oz., 75c; oz., \$1.25.  
**DOUBLE YELLOW.** Pkt., 10c; ½ oz., 75c; oz., \$1.25.  
**DOUBLE MIXED.** All colors. Pkt., 10c; ½ oz., 60c; oz., \$1.00.  
**SINGLE MIXED.** Free flowering in gorgeous colors. Pkt., 5c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.  
**EVERBLOOMING ANNUAL.** A new race—blossoms the first season from seed, gorgeous flowers and colors, single mixed. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c.

**Heliotrope**  
Will bloom as easily from seed as any of the common annuals. Mixed. Pkt., 10c; ½ oz., \$1.00; oz., \$1.50.

**Hunnemannia. Sunlite**  
Attractive semi-double golden yellow poppy. Pkt., 5c; ¼ oz., 30c; ½ oz., 50c; oz., 80c.

**Hyacinth or Jack Bean**  
A rapid-growing annual climber.  
**Daylight.** Pure White Blossoms, very showy. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 35c.  
**Mixed.** Mixed colors, very pretty. Pkt., 5c; ¼ oz., 10c; ½ oz., 15c; oz., 25c.



Kochia or Burning Bush

**Ice Plant**  
A handsome and curious plant for hanging baskets, rock work and vases. Pkt., 5c; ½ oz., 35c; oz., 60c.

**Kochia or Burning Bush**  
Grows quickly from seed sown. Resembles balls of fire. Makes a good summer hedge. Pkt., 5c; ½ oz., 20c; oz., 35c.

**Kudzu Vine**  
A rapid growing hardy climber of great merit. Pkt., 10c; ½ oz., 50c; oz., 75c.

**Lantana**  
Popular, free-blooming plants. Start seeds in the house or hotbed. Tender perennial. Height, 1½ feet.  
**FINEST HYBRIDS MIXED.** Pkt., 5c; ½ oz., 40c; oz., 75c.

**Lobelia Gracilis**  
Very fine for hanging baskets and boxes. Pkt., 5c; ½ oz., 50c; oz., 75c.

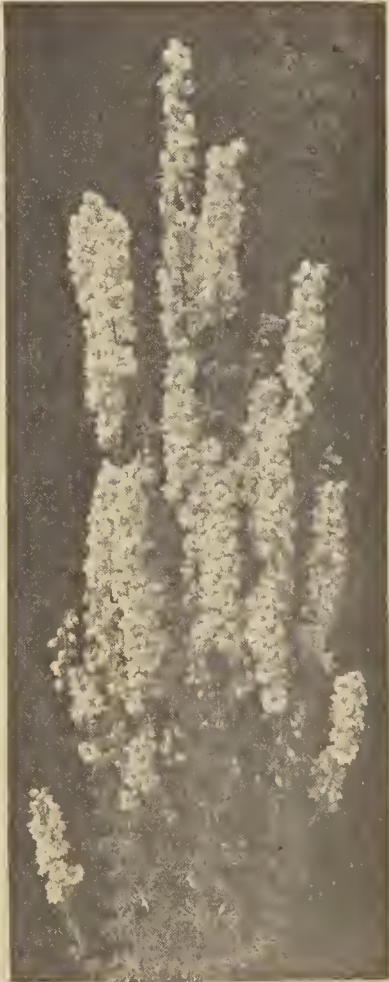
**Lupin**  
Free-flowering, easily grown, having graceful spikes of rich and various colored, pea-shaped flowers; valuable for mixed borders.  
**TEXAS BLUE BONNET.** Very pretty blue flowers. Pkt., 5c; ½ oz., 20c; oz., 35c.

**Annual Mixed Lupins**  
All colors in a beautiful mixture. Pkt., 5c; ½ oz., 15c; oz., 25c.  
**PERENNIAL LUPIN.** Mixed colors. Pkt., 10c; ¼ oz., 35c; ½ oz., 50c.

**Vigoro**  
For better flowers use "Vigoro"; it's all plant food. 1 lb. carton, 10c; 5 lbs., 45c; 10 lbs., 35c; by mail, 1 lb., 18c; 5 lbs., 60c; 10 lbs., \$1.10.

**Larkspur**  
For bedding, for growing among shrubbery and as cut flowers, Larkspurs are strikingly beautiful. They are easy to grow and we know of no flower that will produce a greater show. By all means include an assortment of our Larkspur in your garden for early spring blooming. Early spring plantings will give blooms from July till frost. Height 2 feet, all double flowers.

**BLUE BELL.** New azure blue, a beautiful variety and color. Pkt., 10c; ¼ oz., 75c; ½ oz., \$1.25; oz., \$2.00.  
**CARMINE KING.** New deep carmine-rose. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00; oz., \$1.50.  
**DARK BLUE.** Pkt., 10c; ½ oz., 35c; oz., 50c.  
**BLUE SPIRE.** Imperial Larkspur, giant size. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00.  
**EXQUISITE PINK.** Imperial Larkspur, a dainty shade. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c.



Miss California Larkspur

**LA FRANCE.** Very bright pink with large blooms. Pkt., 10c; ½ oz., 50c; oz., 75c.  
**LOS ANGELES.** A pleasing shade of salmon-pink; new and very desirable. Pkt., 10c; ½ oz., 50c; oz., 75c.  
**MISS CALIFORNIA.** Deep salmon-pink. Pkt., 10c; ½ oz., 75c; oz., \$1.25.  
**ROSAMOND.** New rose self, very striking and showy, full double flowers. Pkt., 10c; ¼ oz., \$1.00; ½ oz., \$1.50; oz., \$2.50.  
**SHELL PINK.** Pkt., 10c; ½ oz., 35c; oz., 50c.  
**SKY BLUE.** Pkt., 10c; ½ oz., 35c; oz., 50c.  
**DOUBLE SCARLET.** Pkt., 10c; ½ oz., 35c; oz., 50c.  
**DOUBLE WHITE.** Pkt., 10c; ½ oz., 35c; oz., 50c.  
**DOUBLE MIXED.** Pkt., 5c; ½ oz., 25c; oz., 40c.



## MARIGOLD

Marigolds are hardy annuals, in dwarf and tall varieties, growing from 6 inches to 3 feet high. The flowers are of various shades of yellow and brown. The tall varieties are excellent for tall bedding or background work, while the dwarf varieties are fine for borders. Marigolds do so well in our section you can almost call them native flowers. Easy to grow and every flower garden should have some.

**DIXIE SUNSHINE.** Brilliant golden yellow, large ball shaped flowers, fully double, a dazzling beauty in Marigold. Pkt., 15c; ½ oz., 35c; ¼ oz., 60c; ¼ oz., \$1.00.

**GIGANTEA SUNSET GIANTS.** This is the largest of the Marigold group. The flowers are 5 to 6 inches across and are produced in such profusion that a plant of Sunset Giants is one of the showiest spots in any garden. The blossoms come in various shades of golden orange, deep and light yellow, and primrose. Marigold Sunset Giants has a happy combination, being very large in size, showy and fragrant. The strain comes about 60 to 65 percent double.

This remarkable variety instead of having the usual Marigold odor gives a definitely sweet fragrance which will undoubtedly place it among the outstanding novelties of the 1937 season. Pkt., 15c; ½ oz., 40c; ¼ oz., 75c; ¼ oz., \$1.25.

**GUINEA GOLD.** Brilliant orange with double ruffled petals. Produces flowers 2 to 2½ inches across. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00.

**LEMON QUEEN.** Soft lemon-yellow. Pkt., 10c; ½ oz., 50c; oz., 90c.

**PRINCE OF ORANGE.** Rich deep golden-yellow. Pkt., 10c; ½ oz., 75c; oz., \$1.25.

**YELLOW SUPREME.** A beautiful pure canary yellow carnation flowered Marigold 3 to 4 inches across, vigorous and free blooming. Pkt., 10c; ½ oz., 30c; ¼ oz., 50c; ¼ oz., 75c.

**TALL MIXED.** Immense flowers, double. Pkt., 5c; ½ oz., 25c; oz., 45c.

**TALL FRENCH DOUBLE MIXED.** A striking and showy type with compact firm bloom. Pkt., 5c; ½ oz., 25c; oz., 45c.

**DWARF AFRICAN DOUBLE.** Splendid for beds and borders, grows 12 to 18 inches in height. Pkt., 5c; ½ oz., 30c; oz., 50c.

**DWARF FRENCH DOUBLE MIXED.** Fine for edging. Mixed colors. Pkt., 5c; ½ oz., 30c; oz., 50c.

**DWARF SINGLE MIXED.** The plants grow about 9 inches high and are a mass of blooms from June until frost. Pkt., 5c; ½ oz., 30c; oz., 50c.

**MEXICAN DWARF ORANGE.** Plants grow only 15 to 18 inches high and produce ball shaped orange blossoms in great profusion. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c.

**DWARF MARIGOLD.** Signata Pumilla. Striking, bright yellow flowers. Plant 10 in. high. Fine for edging. Pkt., 10c; ½ oz., 75c; oz., \$1.25.

## MIGNONETTE

A well known hardy annual. Fragrant flowers.

**SWEET MIGNONETTE.** Pkt., 5c; ½ oz., 15c; oz., 25c.

## MOONFLOWER

One of the most vigorous summer climbers and will grow under favorable conditions 30 to 40 feet. Seed should be filed or cut with a sharp knife, care being taken not to cut any deeper than the hard shell.

**WHITE MOONFLOWER.** White flowers 6 inches across. Pkt., 10c; ½ oz., 25c; oz., 45c.

**HEAVENLY BLUE.** Rubro Coerulea. Sky blue shading to white at center. Pkt., 10c; ½ oz., 50c; oz., 75c.

**BONA NOX.** Large blue evening Glory. Pkt., 5c; ½ oz., 20c; oz., 35c.



Marigold



Mignonette



Golden Gleam Nasturtium



Morning Glory

## MORNING GLORY

A hardy climbing annual, growing about 10 feet high.

**CLARK'S BLUE.** Very large size. Deep blue color. Very showy. Pkt., 10c; ½ oz., 50c; oz., 75c.

**JAPANESE MIXED.** New, measuring from 4 to 5 inches across; great variety of colors. Pkt., 5c; ½ oz., 15c; oz., 25c.

**CHOICE MIXED.** All colors. Pkt., 5c; oz., 10c.

## NASTURTIUM

Probably the most popular and easily grown flower in our list, and remains longer in bloom. In favorable soil the flowers are produced in abundance during the season. Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil, and bear their flowers in such locations in greater profusion than in a rich garden, where they run too much to leaves.

**BODGERS DWARF DOUBLE GEM MIXTURE.** A new race, plants are truly dwarf and compact. The good size flowers are double and sweet scented and cover the bushy plants in an excellent range of colors, which are beautiful and showy. Add dwarf gem Nasturtium to your garden. They make an ideal annual for beds or borders. Pkt., 10c; ½ oz., 15c; 1 oz., 25c; ¼ lb., 75c.

**DOUBLE GLEAM HYBRIDS.** Glorious flowers of salmon, golden yellow, orange, cerise, cream, crimson and flushed scarlet. Make a wonderful combination with the green foliage. The plants are semi-dwarf in growth and loaded with beautiful long-stemmed flowers in mixture. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 50c.

**GOLDEN GLEAM.** The plant forms a vigorous, large bush which throws out short runners, averaging eighteen inches. The large golden yellow flowers average two and one-half to three inches across. They are borne on erect, stiff stems six inches in length. Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 40c.

**DOUBLE SCARLET GLEAM.** The flowers are a rich, fiery scarlet, dazzling in color and the double flowers are immense in size, almost three inches across—much larger than any other Nasturtium. The sweet fragrance is well pronounced. We have the Bodger's Genuine Scarlet Gleam. You surely want to plant them this season. The growth of bush is semi-dwarf. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 50c.

### DWARF GOLDEN GLOBE.

Very deep golden yellow, sweet scented, semi-double flowers that are produced on compact dwarf bushes. For Dwarf edging, rockeries, window boxes or general garden use, Golden Globe bids fair to out-distance the popular Golden Gleam. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00.

### DOUBLE MOON GLEAM.

Light golden cream flowers on dwarf compact plants. Pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., \$1.00.

### DOUBLE SALMON GLEAM.

A delicate golden, salmon color produced on sturdy dwarf bushes. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 60c.

### DWARF CHOICE MIXED.

Contains countless shades, colors, stripes, blotches and veinings. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 75c, postpaid.

### CHOICE TALL or TRAILING

**MIXED.** Large flowers, the plants producing a profusion of bloom. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 75c, postpaid.





Giant Mixed Petunias

PETUNIAS

Unsurpassed for massing in beds, they are also used along the walks and driveways, and can be used very extensively in window boxes. Sow seed early in the spring.

Bedding Petunias

- BLUE BEE.** A beautiful Viola Jersey Gem color. Pkt., 10c; 1/8 oz., 50c; 1/4 oz., 75c.
- COUNTESS OF ELLSMERE.** Single deep rose-pink with white throat. Pkt., 10c; 1/4 oz., 50c; oz., \$1.50.
- DAINTY LADY.** The yellow single semi-dwarf fringed Petunia. Pkt., 50c; 2 pkts., 80c.
- GENERAL DODD.** Single deep rich velvety red; fine bedder. Pkt., 10c; 1/4 oz., 50c; oz., \$1.50.
- FLAMING VELVET.** Velvety rich blood red, semi-dwarf plant. Pkt., 25c; 1/8 oz., \$1.00.
- HOWARD'S STAR.** Distinct star-shaped. Mixed. Pkt., 10c; 1/4 oz., 75c; 1/2 oz., \$1.25.
- PURE WHITE.** This is of the Hybrid type, being of excellent size and pure white. Pkt., 10c; 1/8 oz., 50c; 1/4 oz., 75c.
- STRIPED AND BLOTCHED.** Includes striped or fine mixed flowers in a wide range of colors. Pkt., 10c; 1/4 oz., 75c; oz., \$2.00.
- VIOLET PURPLE.** A beautiful shade of purple; very showy. Pkt., 10c; 1/4 oz., 75c; oz., \$2.00.
- CHOICE SINGLE MIXED.** Good mixture of all free-blooming colors. Pkt., 5c; 1/4 oz., 25c; oz., 75c.
- GIANT MIXED.** Large flowering Grandiflora, all colors mixed. Pkt., 10c; 1/4 oz., 50c; oz., \$1.25.
- GIANTS OF CALIFORNIA, MIXED COLORS.** A special strain of this popular giant flowered Petunia. Pkt., 20c.
- DOUBLE MIXED.** Produces finest and largest blooms. Pkt., 25c.

Dwarf Compacta Petunias

- Excellent for borders, flowers all summer.
- BLUE BEDDER.** Rich royal blue, free flowering. Dwarf in growth. Pkt., 10c; 1/16 oz., 75c; 1/4 oz., \$1.25.
  - DWARF WHITE.** Snow white flowers. Pkt., 10c; 1/8 oz., 50c; 1/4 oz., 75c.
  - FLUFFY RUFFLES.** Blush pink veined dark pink flowers, fine for boxes or beds. Pkt., 25c.
  - MARTHA WASHINGTON.** Blush pink, ruffled flowers, dwarf compact plants. Pkt., 50c; 2 pkts., 80c.
  - PINK GEM.** First of a new race of miniature Petunias. Deep pink. Pkt., 10c; 1/8 oz., \$1.00; 1/4 oz., \$1.50.
  - ROSE GEM.** Brightest rich rose, a beautiful shade. Nana Compacta type. Pkt., 50c; 2 pkts., 80c.
  - ROSE OF HEAVEN.** Dwarf sort; a rich pink color. Pkt., 10c; 1/4 oz., 75c; oz., \$2.00.

- ROSY MORN.** Soft carmine-pink with white throat. Dwarf, compact, free-flowering and showy. Pkt., 10c; 1/4 oz., 75c; oz., \$2.00.
- SILVER BLUE.** A dwarf Compacta Petunia of steel blue color. Pkt., 10c; 1/8 oz., \$1.00; 1/4 oz., \$1.50.
- DWARF GIANTS OF CALIFORNIA.** Beautifully ruffled and fringed, all colors mixed. Pkt., 50c; 2 pkts., 80c.
- MIXED COMPACTA.** Dwarf Plants in mixed colors. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 60c.
- BALCONY PETUNIAS.** A splendid large and free-flowering type, either for vases, hanging baskets or window boxes.
- Balcony Blue.** Balcony Rose.
- Balcony White.** Balcony Mixed.
- Pkt., 15c; 1/8 oz., 75c; 1/4 oz., \$1.25.

PANSIES

- These popular flowers thrive best on a cool, moist but well drained soil. Seeds sown early will produce fine plants for summer blooming.
- GIANT FLOWERING MIXED.** A special mixture of all Giant Pansies. Pkt., 10c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25.
  - OVERTON PARK.** Gigantic in size, with a most beautiful color variation. Pkt., 15c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1/2 oz., \$2.00; oz., \$3.50.
  - ROGGI GIANT.** Huge flowers in the finest combination of mixed colors. Pkt., 20c; 1/8 oz., \$1.00; 1/4 oz., \$1.50; 1/2 oz., \$2.50; oz., \$4.50.
  - CHOICE.** A splendid mixture. Pkt., 5c; 1/2 oz., 75c; oz., \$1.25.

Phlox Drummondii

The annual Phlox occupies first place as a garden annual, being one of the most brilliant and most satisfactory plants which can be readily grown from seed.



Mammoth Flowering Phlox

- MAMMOTH FLOWERING MIXED.** Pkt., 10c; 1/2 oz., 75c; oz., \$1.25.
- CHOICE MIXED.** Contains fine select varieties of this showy annual. Pkt., 5c; 1/2 oz., 40c; oz., 75c.
- FIREBALL.** Flowers large, blood-red. Pkt., 10c; 1/4 oz., 50c.
- SNOWBALL.** Large, clear white flower. Pkt., 10c; 1/4 oz., 50c.
- STAR OF QUEDLINBURG.** Curiously pointed and blossoms having a star-like form, mixed colors. Pkt., 10c; 1/4 oz., 50c.
- PERENNIAL MIXED COLORS.** Pkt., 10c; 1/4 oz., 75c.

Dwarf Phlox

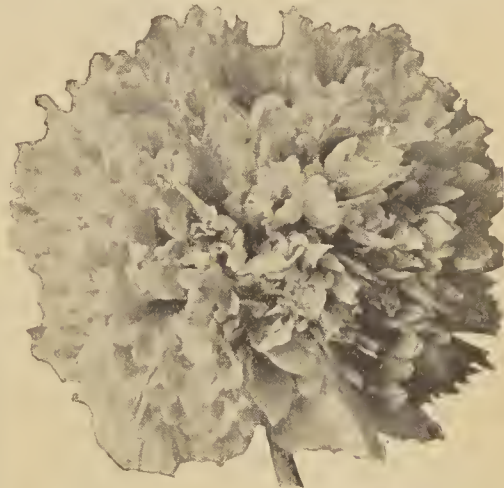
- Most excellent for borders or bedding. Plants dwarf, compact, 8 inches in height.
- DWARF PURPLE.**
  - DWARF SCARLET.**
  - DWARF SALMON SCARLET.**
  - DWARF YELLOW.**
  - DWARF SNOWBALL.**
  - DWARF MIXED COLORS.**
  - Pkt., 10c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25.

Pinks (Dianthus)

- Hardy and half-hardy biennials and perennials, but nearly all blooming the first year from seed; of easy culture.
- CHINA DOUBLE MIXED.** A beautiful combination of colors. Pkt., 5c; oz., 50c.
  - DOUBLE DIADEM.** A most brilliant mixing of colors. Pkt., 5c; 1/2 oz., 35c; oz., 70c.
  - HEDDEWIGI DOUBLE MIXED.** Flowers large and double and of brilliant colors. Pkt., 5c; 1/2 oz., 35c; oz., 60c.
  - CLOVE PINK.** (Plumarius.) Sweet-scented, spicy fragrance. They are excellent hardy plants. Pkt., 10c; 1/2 oz., 50c; oz., \$1.00.
  - PHEASANT'S EYE OR GRASS PINK.** A hardy perennial pink. Pkt., 10c; 1/2 oz., 40c; oz., 60c.
  - SWEET WIVELSFIELD.** Blooms the first season from seed. A showy variety in many colors. Pkt., 10c; 1/4 oz., 35c; 1/2 oz., 60c; oz., \$1.00.

POPPIES

Of easy culture and they furnish some of the most brilliant colors in the garden. Being very hardy, they can be sown as early in the spring as the ground is in working order.



Double Carnation Flowered Poppy

- DOUBLE RED.** Fine scarlet shade. Pkt., 10c; 1/2 oz., 30c; oz., 50c.
- DOUBLE PINK.** Pkt., 10c; 1/2 oz., 30c; oz., 50c.
- FLANDERS.** Vivid red, well known Poppy of Flanders. Pkt., 10c; 1/2 oz., 30c; oz., 50c.
- DOUBLE SALMON ROSE.** A showy rose-pink color. Pkt., 10c; 1/2 oz., 30c; oz., 50c.
- DOUBLE CARDINAL.** Pkt., 10c; 1/2 oz., 35c; oz., 60c.
- DOUBLE CARNATION FLOWERED.** Pkt., 5c; 1/2 oz., 15c; oz., 25c.
- DOUBLE PEONY FLOWERED.** Mixed. Pkt., 5c; 1/2 oz., 15c; oz., 25c.
- SHIRLEY.** Single, beautiful colors mixed. Pkt., 5c; 1/2 oz., 20c; oz., 35c.
- DOUBLE SHIRLEY.** A new double Shirley, mixed. Pkt., 10c; 1/2 oz., 35c; oz., 60c.
- DOUBLE ELDORADO.** Many new shades and unusual colors in this variety. Pkt., 5c; 1/2 oz., 25c; oz., 40c.
- DOUBLE RANUNCULUS FLOWERED.** A magnificent range of colors, very large blooms. Pkt., 5c; 1/2 oz., 20c; oz., 35c.
- DOUBLE FINE MIXED.** Combination of all varieties. Pkt., 5c; 1/2 oz., 20c; oz., 35c.

Perennial Poppy

- MIXED ORIENTAL.** Pkt., 10c; 1/2 oz., 50c; oz., 75c.
- SCARLET ORIENTAL POPPY.** Pkt., 10c; 1/2 oz., 45c; oz., 75c.
- ICELAND PERENNIAL.** Mixed colors. Pkt., 10c; 1/2 oz., 50c; oz., 80c.
- SUNBEAM ICELAND POPPY.** Mixed. Pkt., 10c; 1/2 oz., 60c; oz., \$1.00.
- CALIFORNIA POPPY.** See Escholtzia on page 41.

Portulaca

- Also called Rose Moss. Annual. 6 inches.
- SINGLE MIXED.** Pkt., 5c; 1/2 oz., 35c; oz., 60c.
  - DOUBLE MIXED.** Pkt., 10c; 1/4 oz., 75c.





### Salvia or Scarlet Sage

Start early indoors and transplant in May; or sow outdoors later in a light rich soil. Soak seeds before planting.

**CLARA BEDMAN.** Flowers of a most brilliant scarlet. Pkt., 10c; ¼ oz., 75c; ½ oz., \$1.25.

**SPLENDENS.** (Scarlet Sage.) The scarlet variety. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00.

**ZURICH.** Very compact flowers. Most brilliant crimson. Pkt., 10c; ⅓ oz., 40c; ¼ oz., 70c; ½ oz., \$1.35.

### Scabiosa

A very showy, hardy annual. Very easy to grow. Mixed. Pkt., 5c; ½ oz., 35c; oz., 50c.

**GIANT HYBRIDS** (Isaac House Strain). Large double flowers borne on long stems. Splendid for cutting. Colors range from light lavender to dark blue. Choice mixed. Pkt., 10c; ½ oz., 50c.

### Scarlet Runner Vine

A great favorite as an ornamental climber. Pkt., 5c; oz., 10c.

### Sensitive Plant

The lace-like leaves close when touched. Quite a curiosity. Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 75c.

### Snow-on-the-Mountain

Used as a background for low-growing plants, 2 feet high. Pkt., 5c; ½ oz., 30c; oz., 50c.

### Statice

Also called Sea Lavender and belongs to the Thrift family.

**CHOICE MIXED.** Pkt., 5c; ½ oz., 20c; oz., 35c.

**SEPARATE COLORS.** Deep rose, true blue, deep yellow, white. Pkt., 10c; ½ oz., 25c; oz., 40c.

### Stocks

Useful annuals for bedding, borders, cut flowers and pot culture.

**LARGE FLOWERING TEN WEEKS.** A fine large-flowering strain of many colors. Pkt., 10c; ½ oz., 60c; oz., \$1.00.

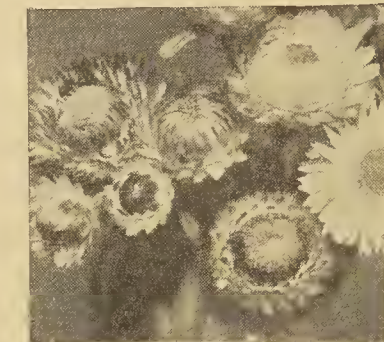
### DOUBLE PERFECTION.

Very large-flowering, double fragrant flowers, mixed colors. Pkt., 10c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

### Strawflower Helichrysum

A hardy annual of the easiest culture; one of our best "Everlasting" flowers, the dried double blooms being very handsome in winter bouquets; 2 feet. Separate colors: Crimson, pink, purple, yellow. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 60c.

**MIXED STRAWFLOWER.** Pkt., 5c; ¼ oz., 20c; ½ oz., 35c; oz., 50c.



Strawflower Helichrysum

### Salpiglossis

These annuals have showy large, funnel-shaped flowers. Mixed colors. Pkt., 5c; ½ oz., 60c; oz., 75c.

## R.-H. Co.'s Sweet Peas

**Culture**—Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the plants are well above the ground, they should be thinned out so as to be at least from 2 to 4 inches apart.



### Named Giant Spencers

Of the hundreds of Orchid-flowered or Spencer Sweet Peas introduced in the last few years, we offer this season what we consider the very choicest and most distinct varieties, each one of which is a leader in its respective color, and sure to give entire satisfaction.

Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., 90c; 1 lb., \$1.50, postpaid.

<b>Austin Frederick.</b> Pure lavender.	<b>Master Cream.</b> Cream yellow.
<b>Chieftain.</b> Deep mauve.	<b>Pinkie.</b> Rose-pink.
<b>Celebrity.</b> Bright orange.	<b>Mrs. Tom Jones.</b> Rich blue.
<b>Miss California.</b> Deep pink.	<b>Olympia.</b> Dark purple.
<b>Mary Pickford.</b> Rich pink.	<b>Rosabella.</b> Giant rose.
<b>King White.</b> Large white.	<b>Red Boy.</b> Deep crimson.

### Special Offer

One packet each of any 6 above varieties, postpaid.....\$0.35  
One packet each of any 12 above varieties, postpaid..... .65

### Named Early Flowering Spencer Sweet Peas

Pkt., 10c; ½ oz., 25c; oz., 40c; 2 oz., 70c; ¼ lb., \$1.00; 1 lb., \$3.50, postpaid.

<b>Early American Beauty.</b> Pink.	<b>Early Harmony.</b> Clear lavender.
<b>Early Blue Bird.</b> Clear blue.	<b>Early Queen Crimson.</b> Red.
<b>Early Fortyniner.</b> Bright orange.	<b>Early White Harmony.</b> White.

One packet each of above 6 Ea. Flowering varieties, only 40c, postpaid.

### Shirley Temple

A new early flowering Spencer Sweet Pea—it has colossal blooms of gigantic size; soft, beautiful—solid rose pink in color. Pkt., 15c; ½ oz., 30c; oz., 50c.

### R.-H. Co.'s Giant Mixed Spencers

Our own combination comprising all the most desirable colors including many new varieties that will produce giant flowers, satisfaction guaranteed. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.10, postpaid.

### Early Flowering Mixed Spencers

These bloom earlier than the standard Spencers, a rare combination of the early flowering sorts in mixture. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 65c; ½ lb., \$1.25; 1 lb., \$2.00, postpaid.

### Large Flowering Grandiflora Mixed

This is a special blend of the old-fashioned Grandiflora Sweet Pea and consists of the better named varieties of this type. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 75c, postpaid.

### Perennial Mixed

The hardy type, also called the Everlasting Sweet Peas, red and white colors. Pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., \$1.25; ½ lb., \$2.00, postpaid.

### Inoculate Sweet Peas

Be sure to inoculate the Sweet Pea seed before planting. The flowers will be larger and the stems will be longer. Two sizes, 10c and 25c, postpaid.

### Spencer Sweet Pea Collection

Our Selection 10 Packets, no Two Alike.  
Named Giant Spencer Sweet Peas, 60c, postpaid.





Texas Blue Bonnet

Sunflower

Large and showy yellow flowers; hardy annuals.

**DOUBLE DWARF.** 4 feet. Pkt., 5c; ½ oz., 20c; oz., 35c.

**GLOBE OF GOLD.** 4½ feet. Pkt., 5c; ½ oz., 20c; oz., 35c.

**DOUBLE TALL.** 7 feet. Pkt., 5c; ½ oz., 20c; oz., 35c.

Sweet Sultan

Beautiful scented blooms. Height 2½ feet.

**CENTAUREA IMPERIALIS.** Sweet Sultan. Pkt., 5c; ½ oz., 30c; oz., 50c.

Sweet William

If sown early will bloom the following fall; fall sowings bloom the next summer. Height 1½ ft.

**NEWPORT PINK.** Solid pink, large flowers. Pkt., 10c; ½ oz., 25c; ¼ oz., 35c; ½ oz., 50c.

**SCARLET BEAUTY.** Immense heads of striking intense scarlet. Pkt., 10c; ½ oz., 25c; ¼ oz., 40c.

**SINGLE.** Mixed. Pkt., 5c; ½ oz., 30c; oz., 50c.

**DOUBLE.** Mixed. A mammoth-flowered type. Pkt., 5c; ½ oz., 35c; oz., 60c.

Texas Blue Bonnet

Flowers delightful blue, charming bushy plants. Pkt., 5c; ½ oz., 25c; oz., 40c.

Thunbergia

A climber, 3 to 5 feet high, with pale yellow or orange-yellow flowers, having a distinct black center. Tender annual. Pkt., 10c; ½ oz., 40c; oz., 75c.

Wild Flower Garden Mixture

Not a tame garden of wild flowers, but a wild garden of tame flowers. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.

Cut-Flower Mixture

This is a splendid combination of all seeds that can be used for cut flowers, a grand mixture of everything you will like. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.

EVERLASTING FLOWER MIXTURE

Made up of all varieties of everlasting flowers. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c, postpaid.

Tithonia

A rare plant from Mexico, grows tall, fine for background of beds. Also known as the Mexican Sunflower. Pkt., 10c; ½ oz., 35c; ¼ oz., 60c.

Torenia

Excellent for beds; flowers blue, touched with gold, plant 10 inches in height. Pkt., 10c; ½ oz., 30c; ¼ oz., 50c.

VINCA (Periwinkle)

Ornamental free-blooming plants with bright green shiny foliage and one of the most satisfactory and long-flowering bedding plants we have. It is best to start the seed early indoors or in the hotbed, but can be sown out of doors in May, or as soon as the ground is warm.



Vinca

**MIXED COLORS.** Pkt., 10c; ½ oz., 60c; oz., 75c.

**ALBA.** Pure white. Pkt., 10c; ½ oz., 60c; oz., \$1.00.

**ROSEA.** Pink. Pkt., 10c; ½ oz., 60c; oz., \$1.00.

Viola

Also known as Tufted Pansies. Mixed colors. Pkt., 10c; ½ oz., 60c; oz., \$1.00.



Sweet William

Wallflower

Very conspicuous in beds or borders. Single mixed. Pkt., 5c; ½ oz., 30c; oz., 50c.

Wild Cucumber Vine

Ornamental climbing cucumber with curious fruit. Pkt., 5c; ½ oz., 20c; oz., 35c.

EEZY WEAR GLOVES

Durable, strong and convenient for use when working in the garden, yard, or spraying plants, etc. Made of goat skin, soft and pliable. All sizes, 75c per pair, postpaid.



Giant Mixed Verbena

Verbenas

Are indispensable for bedding purposes, borders and window boxes. Flowers of most brilliant colors, blooming from early summer till late fall. Soak a few hours and sow in boxes indoors, transplanting when an inch high or sow outside in April.

We are offering this year a new type of Verbenas, with the same characteristics as the old type except each flowerlet in the cluster is much larger. The old type having flowerlets of about the size of a ten-cent piece, while the new type is of the size of a twenty-five-cent piece. By all means order a few packets of this new strain of Verbenas.

**BEAUTY OF OXFORD.** Immense rosy red blossoms. This is the hardy type; with a slight protection they live from year to year. Pkt., 10c; ½ oz., 50c; ¼ oz., 75c.

**CARDINAL GIGANTEA.** New cardinal-scarlet with white eye. Pkt., 10c; ½ oz., 40c; ¼ oz., 60c.

**HELEN WILLMOTT.** New shade of deep pink, very showy. Pkt., 10c; ½ oz., 40c; ¼ oz., 60c.

**LAVENDER GLORY.** New shade of lavender, gigantic flowers. Pkt., 10c; ½ oz., 50c; ¼ oz., 75c.

**LUMINOSA.** Mammoth pink. Pkt., 10c; ½ oz., 35c; ¼ oz., 50c.

**SALMON PINK.** A beautiful shade, produces giant flowers. Pkt., 10c; ½ oz., 30c; ¼ oz., 50c.

**SPECTRUM RED.** A new variety, the most gorgeous intense bright red shade. Pkt., 10c; ½ oz., 60c; ¼ oz., \$1.00.

**MAMMOTH PINK.** Pkt., 10c; ½ oz., 75c.

**MAMMOTH BLUE SHADES.** Pkt., 10c; ½ oz., 75c.

**MAMMOTH CRIMSON.** Pkt., 10c; ½ oz., 75c.

**MAMMOTH PURPLE.** Pkt., 10c; ½ oz., 75c.

**MAMMOTH WHITE.** Pkt., 10c; ½ oz., 75c.

**CHOICE MIXED.** Embraces all colors. Pkt., 5c; ½ oz., 50c; oz., 80c.

**GIANT MIXED.** The clusters are of mammoth size. Pkt., 10c; ½ oz., 75c; oz., \$1.25.

Verbena Collection

8 Packets for Only 50c

One each of the following Verbena seed sent to any address for only 50c.

Mammoth Crimson	Mammoth White
Mammoth Blue	Salmon Pink
Mammoth Pink	Cardinal Gigantea
Mammoth Purple	Lavender Glory

No changes allowed in above assortment.

R. H. Co.'s Top Notch Flower Seed Collection

17 varieties of flower seeds for spring planting, especially adapted for this section.

For only 50c

One packet each of the following:

Aster. All Colors Mixed.	Petunia. Choice Mixed.
Alyssum. Sweet.	Phlox. Choice Mixed.
Balsam. Lady Slipper.	Poppy. Peony Flowered Mixed.
Calendula. Pot Marigold.	Sweet Peas. Spencer Mixed.
Cosmos. Choice Mixed.	Verbena. Choice Mixed.
Gaillardia. Annual.	Snap Dragon. Tall Mixed.
Larkspur. Double Mixed.	Zinnia. Choice Double Mixed.
Marigold. Tall Mixed.	
Nasturtium. Choice Dwarf Mixed.	
Pansy. Choice Mixed.	

Postage paid, no changes allowed in the assortment.



# Russell-Heckle's Zinnias

Few garden annuals are more thoroughly satisfactory than Zinnias, particularly in recent years. Greatly improved, larger flowering and more brilliantly colored strains have been developed. Plant early in rows 1½ to 2 feet apart and cover seeds about ¼ inch deep, or start indoors and transplant outside when the ground is warm. Zinnias can be sown as late as July and they will produce fine large flowers in the fall.

## California Giant Zinnias

The great advantage of this magnificent type is its enormous flat double flowers, sometimes measuring 7 inches in diameter, getting away from the conical shape and stiffness that has been the only objection to Zinnias in the past. They are twice the size of ordinary Giants, prolific bloomers, have great color range and make good cut flowers from early bud to late bloom. Inseparate colors.

Price of any of the following separate varieties: **Packet, 10c; 3 pkts., 25c; ¼ oz., 35c; ½ oz., 50c; oz., 90c.**

**Brightness.** Clear pink.  
**Cerise Queen.** Cerise-rose.  
**Daffodil.** Canary-yellow.  
**Enchantress.** Rose, deep center.  
**Grenadier.** Dark red.  
**Golden Queen.** Golden yellow.  
**Lavender Gem.** Deep lavender.  
**Miss Willmott.** Soft rich pink.

**Orange King.** Orange-scarlet.  
**Orange Queen.** Golden orange.  
**Purity.** The best clear white.  
**Rose Queen.** Brightest rose.  
**Salmon Queen.** Salmon-pink.  
**Scarlet Gem.** Deep scarlet.  
**Violet Queen.** Deep purple.

### SPECIAL OFFER

One packet each of above fifteen California Giant Zinnias, regular value \$1.50, for only \$1.00, postpaid.

**MIXED CALIFORNIA GIANT ZINNIAS.** All the glorious colors. **Pkt., 10c; ¼ oz., 30c; ½ oz., 45c; oz., 75c.**

Select any 7—5c size pkts. Flower seed on this page for 25c.

Select any 7—10c size pkts. Flower seed on this page for 50c.

**FANTASY MIXED ZINNIA.** Medium size blooms with shaggy like petals, color ranges include red, yellow, orange, pastel pinks and creams. Free flowering plants, 2 to 2½ feet tall. **Pkt., 10c; ¼ oz., 35c; ½ oz., 50c.**

**CROWN O'GOLD ZINNIA.** Two-tone color harmony in each flower; overlaid with golden yellow at base and carries out individual flower color at the tip. **Pkt., 10c; ¼ oz., 40c; ½ oz., 75c; oz., \$1.25.**

## Pumila Picotee Delight Zinnias

A beautiful strain. Petals curled, picotee markings.

**SALMON ROSE.** **Pkt., 10c; ¼ oz., 40c; ½ oz., 60c.**

**MIXED.** **Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.**

## Curled and Crested Zinnias

Petals twisted, curled and crested into fantastic and graceful forms. **Pkt., 5c; ½ oz., 50c; oz., 80c.**

## Double Picotee Zinnias

Contains many exquisite colors, each flower petal being tipped with a contrasting color. Free flowering plants 2 feet tall. **Pkt., 5c; ½ oz., 50c; oz., 75c.**

## Zinnia Linearis

Early flowering and the plant reaches a height of 8 to 10 inches with a spread of as much as 24 inches. Flower single, deep golden orange in color with a delicate light yellow stripe which contrasts boldly with the dark center. **Pkt., 15c; ¼ oz., 50c; ½ oz., 75c.**



California Giant Zinnia



Dahlia-Flowered Zinnias

## Dahlia-Flowered Zinnias

This new giant flowered type has petals which overlap in such a manner as to give the flowers the appearance of a decorative Dahlia.

Price of any of the following 14 varieties of Dahlia-Flowered Zinnias: **Pkt., 10c; 3 pkts., 25c; ¼ oz., 35c; ½ oz., 50c; oz., 90c.**

**ATTRACTION.** A distinct shade of brick-red.

**BUTTERCUP.** An immense deep creamy yellow flower.

**CANARY BIRD.** A delicate shade of primrose. Very large.

**CRIMSON MONARCH.** Immense size, bright crimson-scarlet.

**DREAM.** A fine deep lavender. A rare pleasing shade.

**ELDORADO.** Beautiful salmon apricot.

**EXQUISITE.** Pleasing rose color, one of the finest pinks.

**GOLDEN STATE.** Rich golden-yellow, shading to orange.



Lilliput Zinnias

**ILLUMINATION.** Very bright red, large and showy.

**LEMON BEAUTY.** Beautiful, large, clear lemon yellow.

**LUMINOSA.** Deep pink, suffused with salmon.

**OLD ROSE.** A beautiful dark salmony-red or old rose.

**ORIOLE.** An immense orange and gold bicolor.

**POLAR BEAR.** Extra large, pure white.

**PURPLE PRINCE.** Fine deep purple, large and well formed.

**SCARLET FLAME.** A large, beautiful, bright scarlet.

**TANGO.** Golden Tango, orange, a grand color.

**YOUTH.** Light flesh, and extremely large size.

**R.-H. CO.'S MIXED DAHLIA-FLOWERED ZINNIA.** Our special mixture of this new type of Zinnia is made up from the separate colors. **Pkt., 10c; ¼ oz., 30c; ½ oz., 45c; oz., 75c.**

## Double Dwarf Pompon or Lilliput Zinnias

So called on account of its dwarf nature. The plant is 12 to 15 inches high. The flowers are very beautiful little things about 1½ inches in diameter and very double.

**Golden Gem**  
**Salmon Rose**  
**Scarlet Gem**  
 Any of above: **Packet, 10c; ¼ oz., 25c; ½ oz., 35c; ½ oz., 50c; oz., 90c.**

**White Gem**  
**Red Riding Hood**  
**Purple Gem**

**TOM THUMB MIXED**  
**LILLIPUT ZINNIA—**  
**Pkt., 10c; ¼ oz., 20c;**  
**¼ oz., 30c; ½ oz., 45c;**  
**oz., 75c.**

## Mexican Hybrid Zinnia

A very dwarf variety, bear small, double flowers of unusual colorings. Make a beautiful border. 12 inches in height. Mixed colors. **Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.**

## New Pinkie Rosebud Zinnia

Grows 15 to 18 inches. Covered with a mass of Pumila type cut-and-come-again beautiful rose-pink flowers. **Pkt., 10c; ¼ oz., 35c; ½ oz., 60c.**

## Early Wonder Cerise-Pink Zinnia

Dwarf in growth. Flowers a bright fiery cerise-pink with salmon shading. **Pkt., 10c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.**

## Double Tall Mixed Zinnias

Double, varieties, making an elegant mixture for groups, beds, borders, etc. **Pkt., 5c; ½ oz., 25c; oz., 40c.**

## Cactus Flowered Zinnia

The petals are rolled into long tubes causing a resemblance to a fine quilled-petalled cactus dahlia. Mixed. **Pkt., 5c; ½ oz., 50c; 1 oz., 80c.**





Picardy

## NEW AND DESIRABLE VARIETIES

All Prices Shown Are Postpaid

- AIDA.** Midseason, very deep blue. Ea., 10c; doz., 75c; 100, \$4.75.
- ALBATROSS.** Midseason, snowy white. Ea., 10c; doz., 75c; 100, \$4.75.
- AVE MARIA.** Light violet blue. Ea., 10c; doz., 75c; 100, \$4.75.
- Early Dawn.** Very early, rosy pink. Ea., 10c; doz., 75c; 100, \$4.75.
- EXCELLENCE.** Second early, orange vermillion. Ea., 10c; doz., 75c; 100, \$4.75.
- KING OF ORANGES.** Midseason, clear orange. Ea., 8c; doz., 70c; 100, \$4.50.
- MAID OF ORLEANS.** Very early milky white. Ea., 15c; doz., \$1.25; 100, \$8.50.
- MARIA KUNDRED.** Early flowering white. Ea., 10c; doz., 75c; 100, \$4.75.
- MARMORA.** Midseason, lavender gray. Ea., 6c; doz., 60c; 100, \$4.00.
- MILDRED LOUISE.** Midseason, strawberry pink. Ea., 15c; doz., \$1.25; 100, \$8.50.
- MINUET.** Late, large light lavender. Ea., 8c; doz., 70c; 100, \$4.50.
- MOTHER MACREE.** Midseason, soft smoky lavender. Ea., 8c; doz., 70c; 100, \$4.50.
- PAUL PFITZER.** Early midseason, violet red. Ea., 8c; doz., 70c; 100, \$4.50.
- PELEGRINA.** Early large dark blue. Ea., 15c; doz., \$1.25; 100, \$8.50.
- RED PHIPPS.** Early Midseason, warm light red. Ea., 10c; doz., 75c; 100, \$4.75.
- SALBACH'S ORCHID.** Midseason, larger than Minuet, a little more pink. Ea., 10c; doz., 90c; 100, \$5.75.
- SCHWABEN GIRL.** Early, a fine pink. Ea., 15c; doz., \$1.25; 100, \$8.50.
- VEILCHENBLAU.** Early to midseason, beautiful violet blue. Ea., 8c; doz., 70c; 100, \$4.50.
- WASAGA.** Midseason, a glowing buff. Ea., 15c; doz., \$1.25; 100, \$8.50.
- WURTEMBERGIA.** Midseason, fiery scarlet with white throat. Ea., 15c; doz., \$1.25; 100, \$8.50, postpaid.
- YVONNE.** Second early, lovely blush. Ea., 6c; doz., 60c; 100, \$4.00, postpaid.

## SPECIAL OFFER

One each of above 21 varieties, 21 bulbs, only \$1.35, postpaid. Five each of above 21 new varieties, 105 bulbs, only \$5.50, postpaid.

## GLADIOLUS

**MAKE** this a glad year, plant liberally of this most satisfactory of all the bulbous family. No insects to bother them and they will bloom most anywhere. Culture directions free with all orders. Our list comprises all the good standard sorts and many of the newer varieties and novelties. Our prices we feel sure are most reasonable. We offer only No. 1 largest size bulbs.

## PINK AND ROSE VARIETIES

All Prices Shown Are Postpaid. At store 5c Per Doz., 25c Per 100 Less.

- ALICE TIPLADY.** Primulinus, pure orange pink. Ea., 5c; doz., 40c; 100, \$2.25.
- BETTY NUTHALL.** Coral to orange pink, late. Ea., 5c; doz., 50c; 100, \$3.25.
- DR. NELSON SHOOK.** Midseason, deep Tyrian rose. Ea., 8c; doz., 60c; 100, \$4.00.
- E. J. SHALOR.** Early flowering, clear pink. Ea., 5c; doz., 40c; 100, \$2.25.
- GIANT NYMPH.** Midseason, pink with creamy yellow throat. Ea., 5c; doz., 45c; 100, \$2.75.
- HALLEY.** Very early, salmon pink, blotched throat. Ea., 5c; doz., 45c; 100, \$2.75.
- LE MARECHAL FOCH.** Very early, rich, bright pink. Ea., 5c; doz., 45c; 100, \$2.75.
- LOS ANGELES.** Early, shrimp pink. Ea., 5c; doz., 40c; 100, \$2.50.
- MAIDEN BLUSH.** Early to midseason, blush pink. Ea., 5c; doz., 40c; 100, \$2.25.

## RED AND SCARLET VARIETIES

Prices Shown Are Postpaid.

- BETTY NUTTHALL.** Late light coral with orange and carmine. Ea., 5c; doz., 50c; 100, \$3.00, postpaid.
- COMMANDER KOEHL.** Midseason, gigantic flowers, dark scarlet. Ea., 6c; doz., 60c; 100, \$3.75.
- CRIMSON GLOW.** Late, scarlet with stippling of primrose. Ea., 5c; doz., 45c; 100, \$2.75.
- DR. F. E. BENNETT.** Midseason, scarlet, stippled ruby and white. Ea., 5c; doz., 50c; 100, \$3.25.
- FLAMING SWORD.** Very early, deep bright red. Ea., 5c; doz., 40c; 100, \$2.50.
- MOROCCO.** Midseason, deep rich red. Ea., 6c; doz., 60c; 100, \$4.00.
- PERSIA.** Blooms Midseason, maroon red. Ea., 5c; doz., 50c; 100, \$3.50.
- VIRGINIA.** Midseason, fine, bright red. Ea., 5c; doz., 45c; 100, \$2.75.

## ORANGE AND YELLOW VARIETIES

Prices Shown Are Postpaid.

- AFLAME.** Midseason, bright orange flame. Ea., 6c; doz., 55c; 100, \$3.75.
- APRICOT GLOW.** Early blooming, a warm apricot. Ea., 5c; doz., 40c; 100, \$2.50.
- BELINDE.** Midseason, creamy yellow variety. Ea., 5c; doz., 50c; 100, \$3.50.
- GOLDEN DREAM.** Late blooming, very deep yellow. Ea., 5c; doz., 40c; 100, \$2.50.
- GOLDEN FRILLS.** Very early, rich, bright clear yellow. Ea., 5c; doz., 45c; 100, \$2.75.
- GLORIANA.** Midseason, golden salmon. Ea., 5c; doz., 45c; 100, \$3.00.
- GOLDEN EAGLE.** Early flowering, bright yellow. Ea., 5c; doz., 40c; 100, \$2.50.
- ORANGE QUEEN.** Bright orange yellow, early. Ea., 5c; doz., 40c; 100, \$2.50, postpaid.
- ORANGE WONDER.** Large flowering, golden orange. Ea., 7c; doz., 65c; 100, \$4.75.
- PFITZER'S TRIUMPH.** Midseason, bright salmon orange with red blotches. Ea., 6c; doz., 55c; 100, \$3.75.
- SOUVENIR.** Very early, golden yellow. Ea., 5c; doz., 40c; 100, \$2.50.

## WHITE AND BLUSH VARIETIES

Prices Shown Are Postpaid.

- HELEN WILLS.** Midseason, clear showy, pure white. Ea., 5c; doz., 45c; 100, \$3.00.
- PEACE.** Late, large, white, with deep Carmine throat. Ea., doz., 45c; 100, \$2.75.
- WHITE BUTTERFLY.** Early white with creamy throat. Ea., 5c; doz., 45c; 100, \$3.00.

- MRS. H. E. BOTHIN.** Late beautiful very light pink. Ea., 6c; doz., 55c; 100, \$3.75.
- MRS. P. W. SISSON.** Midseason, immense, ruffled, soft pink. Ea., 5c; doz., 55c; 100, \$3.50.
- MRS. FRANK PENDLETON.** Midseason, salmon pink, blotched crimson. Ea., 5c; doz., 45c; 100, \$2.75.
- MRS. LEON DOUGLAS.** Late Begonia rose, striped flame. Ea., 5c; doz., 50c; 100, \$3.00.
- NINETEEN TEN ROSE.** Early flowering, clear rose pink. Ea., 6c; doz., 55c; 100, \$3.50.
- PICARDY.** Late, the sensational new delicate apricot pink, delightfully ruffled flower. Ea., 6c; doz., 55c; 100, \$3.75.
- RUTH HUNTINGTON.** Late, showy violet pink. Ea., 6c; doz., 55c; 100, \$3.75.
- W. H. PHIPPS.** Late pink, overlaid with salmon rose. Ea., 6c; doz., 55c; 100, \$3.50.

## BLUE, LAVENDER, PURPLE VARIETIES

Prices Shown Are Postpaid.

- ANNIE LAURIE.** Late, clear lavender. Ea., 5c; doz., 45c; 100, \$3.00.
- BERTY SNOW.** Late, large, lavender flowers. Ea., 5c; doz., 50c; 100, \$3.50.
- CAPTAIN BOYNTON.** Early, light lavender, blotched. Ea., 5c; doz., 50c; 100, \$3.50.
- CHAS. DICKENS.** Medium Early, purple violet. Ea., 6c; doz., 60c; 100, \$4.00.
- MADAM VON KONYNENBURG.** Early, a true, perfect blue color. Ea., 6c; doz., 60c; 100, \$4.00.
- MORAVIAN.** Second early, nice ruffled lavender. Ea., 5c; doz., 50c; 100, \$3.50.
- MRS. F. C. PETERS.** Large, late flowering rose lilac with crimson blotch. Ea., 5c; doz., 50c; 100, \$3.50.
- PRIDE OF WANAKAH.** Midseason, lavender rose. Ea., 5c; doz., 50c; 100, \$3.50.
- PURPLE GLORY.** Midseason, deep velvety maroon purple. Ea., 6c; doz., 55c; 100, \$3.75.
- QUEEN OF BREMEN.** Second early beautiful, ruffled lavender. Ea., 5c; doz., 45c; 100, \$3.00, postpaid.
- ROSE ASH.** Medium early, produces blooms the color of ashes of roses. Ea., 5c; doz., 50c; 100, \$3.50.

## STANDARD GOOD MIXTURE

A general good mixture of the all-standard varieties. Doz., 20c; 50, 75c; 100, \$1.50; 500, \$6.25; 1000, \$12.00. By mail: Doz., 30c; 50, 90c; 100, \$1.75.

## REGULAR FLORISTS MIXTURE

A combination of colors and varieties used as cut flowers by the florists trade. Doz., 30c; 50, \$1.00; 100, \$1.75; 500, \$7.50; 1000, \$14.00. By mail: Doz., 40c; 50, \$1.15; 100, \$2.00.

## SPECIAL EXHIBITION MIXTURE

A mixture of all exhibition largest show varieties. This combination of shades cannot be surpassed, contains many of the new and late introductions. Doz., 35c; 50, \$1.25; 100, \$2.25; 500, \$10.00; 1000, \$17.50. By mail: Doz., 45c; 50, \$1.40; 100, \$2.50.

## PRIMULINUS MIXTURE

Contains all the best colors of this type so-called butterfly Gladiolus. Doz., 30c; 50, \$1.00; 100, \$1.75. By mail: Doz., 40c; 50, \$1.15; 100, \$2.00.

## TOP NOTCH

## GLADIOLUS COLLECTION

100 bulbs only \$3.00, postpaid.

- 10 each of the following fine varieties:
- |                       |                         |
|-----------------------|-------------------------|
| Albatross, white      | Minuet, lavender        |
| Betty Nuthall, pink   | Mrs. F. C. Peters, blue |
| Commander Koehl, red  | Mrs. P. W. Sisson, pink |
| Golden Frills, yellow | Picardy, salmon         |
| Orange Queen, orange  | Purple Glory, purple    |



## DAHLIAS

Plant 3 to 4 inches deep, 4 feet apart, in April and up to June. Fertilize well and water freely during Summer.

Price, any of the following 14 varieties of Dahlias: Postpaid, ea., 25c; 6 for \$1.25; 12 for \$2.15. Not prepaid, ea., 20c; 6 for \$1.00; 12 for \$1.85.

**AVALON.** Double yellow decorative.  
**BARBARA REDFERN.** Informal decorative rose and yellow.  
**CANTEEN.** Decorative clear pink.  
**CRIMSON BEAUTY.** Rich crimson decorative.  
**GENOVENA.** Richest yellow.  
**JANE COWL.** Decorative bronzy buff.  
**JERSEY BEAUTY.** Fine pink decorative.  
**JOPPA.** Informal decorative salmon rose.  
**KENTUCKY.** Large salmon pink decorative.  
**LAVENDER KING.** Clear lavender decorative.  
**MAUD ADAMS.** Pinkish white, show type.  
**MRS. IDE VER WARNER.** Decorative mauve pink.  
**MRS. CARL SALBACH.** Fine lilac pink.  
**PRIDE OF CALIFORNIA.** Deep crimson decorative.

### SPECIAL OFFER

One each of above 14 Dahlias, postpaid, only \$2.00.

Price, any of the following 14 varieties of Dahlias: Postpaid, each, 60c; 6 for \$3.00; 12 for \$5.50. Not prepaid, ea., 50c; 6 for \$2.75; 12 for \$5.25.

**CITY OF TRENTON.** Tangarine red, decorative.  
**FORT MONMOUTH.** Claret red, informal decorative.  
**GOLDEN ORANGE.** Large yellow show dahlia.  
**IMMACULATE.** Decorative snow white.  
**KATHLEEN NORRIS.** Large pink decorative.  
**KING MIDAS.** Pure golden yellow decorative.  
**KING TUT.** Decorative velvety crimson.  
**MONMOUTH CHAMPION.** Decorative deep orange.  
**MRS. A. B. SEAL.** Decorative fine pure rose.  
**PRINCE OF PERSIA.** Cardinal red decorative.  
**SPLENDOR.** Deep Magenta decorative.  
**THOS. A. EDISON.** Royal purple decorative.  
**WHITE PERFECTION.** Pure white.  
**WONDER PINK.** Large pink decorative.

### SPECIAL OFFER

One each of above 14 Dahlias, \$5.35, postpaid.



Kentucky Dahlia

Price, any of the following 5 varieties of Dahlias, postpaid, ea., 40c; 6 for \$2.00; 12 for \$3.75. Not prepaid, ea., 30c; 6 for \$1.75; 12 for \$3.40.

**AMETHYST.** Silver lavender informal decorative.  
**BRILLIANCE.** Decorative old gold.  
**POLAR BEAR.** Pure white decorative.  
**PURPLE GIANT.** Peony flowered, large purple.  
**EDNA FERBER.** Decorative coral shade.  
**POMPON OR MINIATURE DAHLIAS**  
 Postpaid, ea., 20c; 6 for 90c; 12 for \$1.65. Not prepaid, ea., 15c; 6 for 75c; 12 for \$1.40.  
**AMBER QUEEN.** Apricot amber.  
**CATHERINE.** Pure bright yellow.  
**DARKEY.** Very deep maroon.  
**FASHION.** Deep amber shade.  
**LITTLE BEAUTY.** Soft rose pink.  
**PHOEBE.** Amber yellow.  
**SNOWCLAD.** Pure snow white.  
**SUNBEAM.** Rich bright yellow.

## Double Dahlias to Color

Each, 10c; 6 for 55c; 12 for \$1.00. By mail, each, 15c; 6 for 65c; 12 for \$1.20.

Red	Pink	White
Maroon	Purple	Yellow

## PEONIES

Plant in February or March two inches deep, 18 to 24 inches apart. Use Bone Meal fertilizer to bring large flowers.

Postpaid ea., 30c; 6 for \$1.45; 12 for \$2.65. Not prepaid, ea., 25c; 6 for \$1.25; 12 for \$2.40.  
**BARONESS SCHROEDER.** Pure snow white.  
**EUDULUS SUPERBA.** Bright rosy pink.  
**FESTIVA MAXIMA.** White flecked crimson.  
**FELIX CROUSSE.** Rich ruby red.  
**KARL ROSENFELD.** Very deep crimson.

**LORD KITCHENER.** Rich cherry red.  
**MONS JULES ELIE.** Silvery shining pink.  
**PRESIDENT TAFT.** Pure hydrangea pink.  
**RUBRA SUPERBA.** Superior large red.  
**TRIUMPH DE EXPOSITION.** Deepest rich pink.  
**RENIE HORTENSE.** Coral light pink.  
**SARA BERNHARDT.** Mauve rosy.

### SPECIAL OFFER

One each of above twelve varieties. Regular value \$3.00, for only \$2.50, postpaid.

## LILIES

Plant 4 to 5 inches deep in March and April. Add sand for drainage.

**REGAL LILY.** White shading to yellow, tinged pink  
 Large Bulbs. Each, 20c; doz., \$2.00.  
 By mail, each, 30c; doz., \$2.20.  
 Small Bulbs. Each, 15c; doz., \$1.50.  
 By mail, each, 20c; doz., \$1.75.  
**LILLIUM ALBUM.** White Japanese Lily. Each, 30c; doz., \$3.00. By mail, each, 35c; doz., \$3.35.  
**LILLIUM AURATUM.** Golden banded, white and crimson. Large bulbs, each, 25c; doz., \$2.25. By mail, each, 35c; doz., \$2.60.  
**LILLIUM GIGANTEUM.** White Easter Lily. Each, 25c; doz., \$2.00. By mail, each, 30c; doz., \$2.35.  
**LILLIUM HENRYII.** Apricot yellow, slightly spotted with brown. Each, 25c; doz., \$2.25. By mail, each, 35c; doz., \$2.60.  
**LILIIUM PHILLIPINENSE.** Large white, marked reddish brown. Each, 25c; dozen, \$2.25. By mail, each, 30c; doz., \$2.40.  
**LILLIUM RUBRUM.** White, pink spotted crimson. Large bulbs, each, 30c; doz., \$3.00. By mail, each, 40c; doz., \$3.35.  
**DOUBLE TIGER LILIES.** Orange red, spotted black. Each, 15c; doz., \$1.75. By mail, each, 20c; doz., \$1.95.  
**YELLOW CALLA LILIES.** Each, 25c; 12 for \$2.25. By mail, each, 35c; 12 for \$2.50.

## CANNA BULBS

Plant in March and April 3 to 4 inches deep, 18 inches apart. Cover bulbs with sand first to avoid rotting.

Price any of the following Canna bulbs:  
 Doz., 60c; 50, \$2.00; 100, \$3.50.  
 By mail, doz., 70c; 50, \$2.25; 100, \$3.90.  
**EUREKA.** The best nearly all white Canna, 4½ ft.  
**HUNGARIA.** Rosy pink flower, with green foliage, 4 ft. in height.  
**KING HUMBERT.** Orange scarlet, with bronze foliage, 4 ft. in height.  
**THE PRESIDENT.** Brilliant crimson with green foliage, 4 ft. in height.  
**YELLOW KING HUMBERT.** Yellow flower with green foliage, 4 ft. in height.

### SPECIAL OFFER

10 each President, King Humbert and Hungaria Cannas. 30 bulbs only, \$1.25, postpaid.

## Caladium or Elephant Ear Bulbs

Plant 4 inches deep, 18 to 24 inches apart, any time after March 1st. Water freely during summer months.

5 to 7 in. bulbs. Each, 8c; doz., 75c. By mail, each, 12c; doz., 95c.  
 7 to 9 in. bulbs. Each, 12c; doz., \$1.20. By mail, each, 18c; doz., \$1.45.  
 11 to 15 in. bulbs. Each, 20c; doz., \$2.00. By mail, each, 25c; doz., \$2.35.

## TUBEROSES

Plant in March, cover top of bulbs two inches, place bulbs 12 inches apart.

**DOUBLE PEARL.**  
 Large Bulbs. Doz., 45c; 50, \$1.75; 100, \$3.00. My mail, doz., 55c; 50, \$2.00; 100, \$3.35.  
 Small Bulbs. Doz., 30c; 50, \$1.00; 100, \$1.75. By mail, doz., 40c; 50, \$1.20; 100, \$2.10.  
**SINGLE EVERBLOOMING.** Doz., 45c; 50, \$1.75; 100, \$3.00. By mail, doz., 55c; 50, \$1.95; 100, \$3.30.

## AMARYLLIS

Easily grown, plant in spring in a six or seven inch pot.

**GIANT AMERICAN HYBRID.** Produces gorgeous colored blooms in clusters, mixed. Each, 35c; 6 for \$2.00. By mail, each, 45c; 6 for \$2.25.  
**JOHNSONII.** Crimson with white stripe. Each, 25c; 6 for \$1.25. By mail, each, 35c; 6 for \$1.45.  
**MONTBRETIIAS.** Plant 2 inches deep in March or April. Each, 10c; doz., 75c; 100, \$5.00. By mail, doz., 90c; 100, \$5.20.

## CLIMBING VINES

**MOUNTAIN BEAUTY or CORAL REEF VINE.** Each, 25c; 5 for \$1.00. By mail, each, 35c; 5 for \$1.15.  
**MADEIRA VINE.** Each, 10c; doz., 75c. By mail, each, 15c; doz., 90c.



CERTIFICATE OF INSPECTION

Issued annually by the Tennessee State Entomologist, showing freedom of our stock from San Jose Scale and other injurious insects and diseases, will be attached to every shipment.

Terms are strictly cash.

All prices on this list are prepaid either by express or parcel post at our option.



Carman

NURSERY STOCK

Peach Trees

2-3 ft. ....Each 30c; 3 for \$0.85; 10 for \$2.40; 100 for \$13.50  
3-4 ft. ....Each 40c; 3 for 1.05; 10 for 3.00; 100 for 19.00  
4-5 ft. ....Each 50c; 3 for 1.35; 10 for 4.00; 100 for 23.00

The following varieties ripen in order as named; Mayflower first, Krummel's last.

**MAYFLOWER.** Medium size, red skin, firm flesh. Freestone.  
**RED BIRD.** Extremely early, a money-maker. Flesh is creamy white of fine firmness. The outside skin is brightest red, highly colored.  
**EARLY ROSE.** Early. Fruit fair sized, highly colored. Cling.  
**ARP BEAUTY.** Medium size, yellow skin touched with red. Flesh yellow. Free.  
**GREENSBORO.** Skin white with red cheek, flesh white and juicy. Free.  
**CARMAN.** Large size. Flesh creamy white tinged with red. Freestone.  
**EARLY ELBERTA.** Larger than Elberta. Flesh yellow, fine grained. Free.  
**CRAWFORD'S EARLY.** Freestone, bright yellow, with red cheek, flesh yellow, juicy. Ripens July.  
**HILEY.** Large size, white skin tinted red, white flesh. Freestone.  
**GOLDEN JUBILEE.** Freestone, golden yellow with red blush. Flesh yellow, as sweet as honey, bears heavily. Ripens July.  
**BELLE OF GEORGIA.** Fruit large, skin white with red cheek. Flesh white. Free.  
**ELBERTA.** Well known. Large size, flesh yellow and juicy. Freestone.  
**LATE ELBERTA.** Yellow freestone, ripens after regular Elberta.  
**INDIAN CLING.** Large size, flesh red, streaked with white.  
**J. H. HALE.** Large size, skin deep red, flesh yellow. Freestone.  
**HEATH CLING.** Fruit of large size, flesh white and juicy.  
**KRUMMEL'S LATE.** Large, round, skin yellow with red cheek. Freestone.

(All Above Prices Are Prepaid)

Apple Trees

2-3 ft. ....Each 35c; 3 for \$1.00; 10 for \$2.80; 100 for \$16.00  
3-4 ft. ....Each 45c; 3 for 1.20; 10 for 3.60; 100 for 20.00  
4-5 ft. ....Each 55c; 3 for 1.50; 10 for 4.80; 100 for 25.00

**EARLY HARVEST.** Medium size, pale yellow, juicy. May and June.  
**YELLOW TRANSPARENT.** Greenish yellow skin; white flesh. One of the earliest to ripen. May and June.  
**RED JUNE.** Deep red skin; white flesh, tender and very juicy. June and July.  
**YELLOW HORSE.** Large, greenish yellow skin, flesh acid. July and August.  
**MAIDEN BLUSH.** Medium size, pink skin, flesh firm and flavory. Ripens July.  
**JONATHAN.** Bright red, flesh, tender and juicy. Ripens September.  
**DELICIOUS.** Fruit large and easily identified by its sheep-nose shape. Skin dark red, flesh fine-grained. Late fall.  
**RED DELICIOUS.** Color dark rich red, fine for market or home use. Ripens September.  
**GRIMES GOLDEN.** Large size, golden-yellow.  
**MAMMOTH BLACK TWIG.** Deep crimson, good size. Ripens September.  
**STAYMAN WINESAP.** Skin dark red, flesh crisp and juicy. October.  
**YELLOW DELICIOUS.** A large golden yellow apple of delicious flavor. Ripens September.  
**WINESAP.** Good quality, dark red skin, crisp, sub-acid flesh. September and October.  
**HYSLOP CRAB.** Large, dark fruit. Tree very productive.

(All Above Prices Are Prepaid)

Delicious Apple



Pear Trees

2-3 ft. ....Each 50c; 3 for \$1.35; 10 for \$3.75  
3-4 ft. ....Each 60c; 3 for 1.65; 10 for 4.50  
4-5 ft. ....Each 70c; 3 for 1.95; 10 for 5.50

**BARTLETT.** Best of the eating Pears. Large size, skin yellow with red blush.  
**SECKEL.** Small, yellowish brown. Flesh very sweet.  
**KIEFFER.** Large size, skin golden yellow with blushed cheek.  
**PINEAPPLE.** Practically blight-proof. Very desirable.  
**GARBER.** A large pink cheeked pear, rich, juicy and luscious, fine for eating.

(All Above Prices Are Prepaid)

Fig Bushes

1½ to 3 foot size.....Each 50c; 3 for \$1.35; 10 for \$3.50

**BROWN TURKEY.** Fruit fair sized, pear-shaped, skin coppery-brown. Very hardy.  
**CELESTIAL.** Small, violet colored. Very prolific, sweet and of excellent quality. Hardest of all Figs.

(All Above Prices Are Prepaid)

Plum Trees

2-3 ft. ....Each 45c; 3 for \$1.20; 10 for \$3.25  
3-4 ft. ....Each 55c; 3 for 1.50; 10 for 4.00  
4-5 ft. ....Each 65c; 3 for 1.80; 10 for 4.75

**ABUNDANCE.** Large. Amber in color, changing to red. Ripens a week later than Red June.  
**BURBANK.** Fruit large, deep red overlaying a yellow ground. Flesh deep yellow and very sweet. July.  
**RED JUNE.** Deep red skin, light yellow flesh, sub-acid. A semi-cling, ripening in June and July.  
**WICKSON.** A glowing carmine skin, large size and good keeper. Japanese type.  
**SHROPSHIRE DAMSON.** The most desirable preserving variety. Ripens August.

(All Above Prices Are Prepaid)



## Cherry Trees

2-3 ft.....each 50c; 3 for \$1.35; 10 for \$3.50  
 3-4 ft.....each 60c; 3 for 1.65; 10 for 4.00  
 4-5 ft.....each 70c; 3 for 1.95; 10 for 5.00

**GOVERNOR WOOD.** (Sweet.) Medium size, pale yellow with pink flesh.

**EARLY RICHMOND.** (Sour.) Medium size, bright red. Ripens last of May.

**LARGE MONTMORENCY.** (Sour.) Larger than Early Richmond and ripens about ten days later. Bright red.

**BLACK TARTARIAN.** (Sweet.) Fruit large, black, heart-shaped.

All above prices are prepaid.

## Grafted Pecans

2-3 ft.....each \$1.00; 3 for \$2.85; 10 for \$7.50  
 3-4 ft.....each 1.25; 3 for 3.60; 10 for 9.00

**SCHLEY.** Finest for eating. Nuts long, thin-shelled, well filled.

**STUART.** Nuts of good size; shell medium thin.

**SUCCESS.** Resembles Stuart, but larger. Nuts thin-shelled.

All above prices are prepaid.

## Strawberry Plants

Postpaid: 100 for \$1.00; 250 for \$2.00; 500 for \$2.50; 1000 for \$3.75.

Set in March and April in rows 3½ feet wide and 15 inches apart in row. We can furnish any of the following varieties, but they will be shipped separate from any other trees or plants on our list. Plants ready in March.

**BLAKEMORE.** Red, very early and of fine flavor.

**GANDY.** Late. Fine quality.

**KLONDYKE.** A shapely, dark red berry of uniform size.

Above prices prepaid. Write for prices on larger quantities.



Blakemore  
Strawberry

## Progressive Everbearing Strawberry Plants

Prepaid: 25 for 75c; 100 for \$1.60; 250 for \$3.20; 1000 for \$9.50.

## Raspberry Plants

Prepaid: 10 for 75c; 50 for \$2.50; 100 for \$4.00.

**CUMBERLAND.** Large, firm, oval-shaped berry.

**CUTHBERT.** Large berry, red, and juicy.

**KANSAS.** Jet black, does well in this section.

**LATHAM.** Large, rich red, vines vigorous and productive and free of diseases.

**ST. REGIS.** Medium sized fruit, bright red.

## Dewberry Plants

Two varieties, Austin and Lucretia. Prepaid: 10 for 75c; 50 for \$2.50; 100 for \$4.00.

## Youngberry Plants

Prepaid: 10 for 75c; 50 for \$2.50; 100 for \$4.00.

## 1937 Calendar

Sent free with any order to the value of \$1.00 or more. This Calendar is full of valuable information, with weather predictions. Your order must amount to \$1.00 or more.



Montmorency Cherries

## Grape Vines

**TWO-YEAR VINE.** Prepaid: Each, 25c; 3 for 60c; 10 for \$1.60; 25 for \$3.00; 100 for \$10.00.

**CONCORD.** Berry large, blue-black in color. Very sweet.

**MOORE'S EARLY.** Extra early, black grape. Ripens two weeks ahead of Concord.

**NIAGARA.** Large, white. Fruit tender, skin tough.

**WORDEN.** Extra large, black, sweet.

**LUTIE.** A luscious red grape, sweet and juicy.



Niagara Grape

## Scuppernong Grapes

Prepaid—Two-year vines, each, 60c; 5 for \$2.50; 10 for \$4.50.

**JAMES.** Large, black fruit borne in clusters of ten to twenty berries.

**BRONZE.** Small sized clusters of dark red fruit. Excellent flavor.

## Blackberry Plants

Prepaid: 10 for 75c; 50 for \$2.50; 100 for \$4.00.

**EARLY HARVEST.** Extra early. Good quality.

**ELDORADO.** Large, sparkling black fruit.



Eldorado Blackberry



Standard

2 Year Field Grown Roses

Bush Varieties

Shipped only from the growers. Pre-paid, each, 45c; 6 for \$1.95; dozen, \$3.50.

Betty Uprichard  
Briarcliff  
Chas. K. Douglass  
Columbia  
Dame Edith Helen  
E. G. Hill  
Etoile de France  
Etoile de Holland  
Francis Scott Key  
Golden Ophelia  
Hadley  
J. J. L. Mock  
K. A. Victoria  
Killarney Pink

Lady Hillingdon  
Los Angeles  
Luxembourg  
Mme. Butterfly  
Mrs. Chas. Bell  
Margaret McGredy  
Mrs. E. P. Thom  
Ophelia  
Radiance, Pink  
Radiance, Red  
Souv. Claud. Pernet  
Sensation  
Sunburst  
White Killarney

Climbing Varieties

American Pillar  
American Beauty  
Silver Moon

Mary Wallace  
Paul's Scarlet

Ornamental and Shade Trees

American Elm, 6-8 ft.  
Dogwood Red, 3-4 ft.  
Dogwood White, 3-4 ft.  
Chinese Elm, 6-8 ft.  
Flowering Peach, red, white, 5-6 ft.  
Maple Silverleaf, 6-8 ft.  
Poplar Lombardy, 8-10 ft.  
Red Bud American, 4-5 ft.

Each  
\$1.00  
1.50  
1.00  
1.50  
.65  
1.00  
1.25  
.75

Broad Leaf Evergreens

Abelia Grandiflora, 2-3 ft.  
Nandina Domestica, 1½-2 ft., balled and baled.  
Boxwood, Sempervirens, 12-18 in., balled and baled.

Each  
\$0.30  
1.00  
1.75

10  
\$2.50  
8.00  
15.00

(Above Prices Prepaid)

Special Standard Roses

2 Year Field Grown Roses

Bush Varieties

Shipped only from the grower. Pre-paid, each 60c; 6 for \$2.75; dozen, \$4.80.

Autumn  
Caledonia  
Golden Dawn  
Mev. G. A. Van Rossem

Padre  
Pres. Herbert Hoover  
Rev. F. Page Roberts  
Talisman

Climbing Varieties

Prepaid, each, 60c; 6 for \$2.75; 12 for \$4.80.

Clb. Red Radiance  
Clb. Pres. Hoover

Clb. Talisman  
Clb. Marechal Neil

Standard Tree Roses

for sale at store, only. We cannot ship these—

Each, \$2.25; 3 for \$6.00.

Etoile de Holland, red  
Max Krause, yellow  
Talisman, pink to yellow

Mrs. E. P. Thom, golden  
Radiance, pink  
Radiance, red

Hedge Plants

AMOUR RIVER PRIVET. Upright, dark green, small leaves. 18-24 in. plants. 10, \$1.25; 100, \$4.00.

CALIFORNIA PRIVET. Bushy dark green, large leaves. Plants 18-24 in. 10, \$1.00; 100, \$3.00.

(Above Prices Prepaid)

Use Tri-O-Gen

For Black Spot, blight, aphids and other insects on your roses. Tri-O-Gen will not harm the foliage and does not discolor the plant.

Small Kit  
Medium Kit  
Large Kit

\$1.50; postpaid \$1.70  
4.00; postpaid 4.25  
6.00; postpaid 6.25

Flowering Shrubs

All 18 to 24 inches high. These prices are prepaid.

Althea, white, pink, red  
Butterfly Bush  
Calycanthus, Sweet Shrub  
Crepe Myrtle, crimson and white  
Cydonia, Japan Quince  
Deutzia, assorted  
Forsythia, Golden Bell  
Hydrangea, Hills of Snow  
Hydrangea, Oak Leaf  
Lilac, purple and white  
Philadelphus Mock Orange  
Purple Leaf Plum  
Red Leaf Barberry  
Japanese Barberry  
Spirea, Van Houtte, Bridal Wreath  
Spirea, Thunbergi  
Spirea, Anthony Waterer, red  
Snowball, common  
Weigelia, pink

Each 10 for  
\$0.30 \$2.00  
.30 2.00  
.40 3.50  
.40 3.50  
.40 3.50  
.35 3.00  
.30 2.50  
.35 3.00  
.40 3.50  
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.30 2.50  
.35 3.00  
.50 4.50  
.35 3.00  
.20 1.50  
.25 2.00  
.35 3.00  
.35 3.00  
.30 2.50

Hardy Climbing Vines

Boston Ivy  
Clematis, white  
Honey Suckle Hall's Yellow  
Honey Suckle Hall's Scarlet  
Kudzu Vine  
Wistaria, purple, white

Each  
\$0.40  
.30  
.30  
.30  
.20  
.30

Asparagus Roots

Mary Washington—2 Year Roots  
Dozen, 35c; 50, \$1.25; 100, \$2.00; 200, \$3.50; 500, \$8.00; 1000, \$14.00. Postpaid: Dozen, 45c; 50, \$1.50; 100, \$2.40.


Rhubarb Roots

2 year roots, each, 15c  
Postpaid, each, 20c  
1 year roots, each, 10c  
Postpaid, each, 15c

12 for \$1.20  
12 for 1.50  
12 for .75  
12 for 1.00

Horseradish Roots

Large, strong cuttings. Doz., 35c; 50 for \$1.10; 100 for \$2.00, postpaid. Not prepaid, doz., 30c; 50 for \$1.00; 100 for \$1.75.



THE NEW BOYSENBERRY

The finest vine berry yet developed.

The Boysenberry will average double the size of the Youngberry. You seldom find one less than one and one-half inches long; without question, the flavor of the Boysenberry is far superior to any other vine berry. It has a mild distinctive flavor of its own, somewhat suggestive of Raspberry.

When planting, allow 6 feet each way for vines to grow and bear properly, leave vines on the ground in the summer because it keeps soil cool and the vine from burning.

In February and March train on trellis, after fruit is picked cut off old canes and let the vines fall on the ground. Only 1000 plants are needed to an acre. They will stand any kind of cold weather and never have any diseases.

The Boysenberry will certainly make anyone some money. Set out a few acres. Get started this spring. We have genuine plants from the originators. All shipments are made from the growers. Prices prepaid to your address: 25c each; 10 for \$2.00; 100 for \$12.00; 1000 for \$100.00; 5 at 10 rate; 50 at 100 rate; 500 at 1000 rate.



## Two Year California Grown EVERBLOOMING ROSE BUSHES

**I**T IS with pride we list the following varieties of two year California Field Grown Rose Bushes. They are strong, healthy, sturdy plants, guaranteed to satisfy you in every way. All are individually wrapped and labeled, first size, No. 1 grade plants. We do not handle any No. 2 plants.

All orders for California grown rose bushes will be shipped from our own packing grounds about the first part of March, which is the proper time for planting them. Plants will be pruned properly when you receive them. Please order early before the assortment is broken and be sure to give second choice in case we have sold out the variety you order.

### Lot A California Roses

Prices uniform as follows: Each 40c; 6 for \$2.15; 12 for \$4.00; by mail each 50c; 6 for \$2.35; 12 for \$4.35.

- American Beauty.** Fragrant, pink, shaded soft carmine.
- Betty Uprichard.** Orange carmine, lighter reflex.
- Briarcliff.** A clear pink sport of Columbia.
- Columbia.** Vigorous glowing pink, long stems.
- E. G. Hill.** Large showy lasting deep scarlet.
- Etoile de Holland.** Velvety red, large, fragrant.
- Francis Scott Key.** Double blooms, deep crimson.
- Frau Karl Druski.** Large snow white blooms.
- Grenoble.** Long stemmed buds of crimson.
- Hadley.** Large double of the richest crimson.
- Hoosier Beauty.** Very large, crimson.
- Joanna Hill.** Clear yellow with golden heart.
- K. A. Victoria.** Strong snowy white.
- Killarney.** Bright sparkling pink, free bloomer.
- Los Angeles.** Flame pink, coral, gold.
- Mrs. Chas. Bell.** Salmon, a sport of Radiance.
- Ophelia.** Light salmon shading to pale yellow.
- Paul Neyron.** Rich, rosy pink.
- Radiance.** Popular opaline pink, vigorous grower.
- Red Radiance.** Glowing crimson, free flowering.
- Talisman.** Rich yellow, pink and red two toned.
- White Killarney.** Snow white.

### Lot C California Roses

Price each 60c; 6 for \$3.30; dozen \$5.70. By mail each 70c; 6 for \$3.50; dozen \$6.00.

- Duquesa de Penaranda.** New variety, apricot, orange, pink blending.
- Condessa de Sastaga.** Pink inside golden reverse.
- Mrs. E. P. Thom.** Double, golden yellow, vigorous growth.
- Mrs. Pierre S. Dupont.** Free flowering, yellow.
- Mrs. Sam McGredy.** Copper scarlet.
- Olympiad.** Vivid scarlet, undertone of yellow.
- Roslyn.** Double richest deep yellow.
- Soeur Therese.** Yellow, outside petals sometimes carmine.

### POLYANTHA OR BABY CALIFORNIA ROSES

Price each 40c; 6 for \$2.15. By mail each 50c; 6 for \$2.35.

- Cecil Brunner.** The Sweetheart rose, small dainty buds of clear pink.
- Else Poulson.** Two toned rose pink blooms.
- Ideal.** One of the best dark reds.

### Lot B California Roses

Prices uniform. Each 50c; 6 for \$2.50; doz. for \$4.75. By mail, each 60c; 6 for \$2.70; doz. for \$5.10.

- Autumn.** Burnt orange, yellow.
- Caledonia.** One of the best Whites, long buds.
- Dame Edith Helen.** Large clear glowing pink.
- Editor McFarland.** Beautiful showy pink, vigorous.
- Edith Nellie Perkins.** Cerise and salmon, with golden suffusion.
- Feu Jos. Looymans.** Yellow shaded apricot.
- Golden Ophelia.** Blooms golden yellow, lighter at edges.
- Golden Emblem.** Double rich golden yellow, beautiful in bud.
- Lady Hillingdon.** Orange yellow, fine for cutting.
- Lucie Marie.** Yellow, with cerise shading.
- Luxembourg.** Double orange, yellow blooms.
- Margaret McGredy.** Profuse, double scarlet.
- Mev. G. A. Van Rossem.** Buds yellow, veined orange brown.
- Miss Rowena Thom.** Double, rose shaded old gold.
- Mme. Butterfly.** Favorite, pink suffused apricot.
- Pres. Herbert Hoover.** Yellow, pink and flame tints.
- Sensation.** Double deep crimson.
- Souv. Claudius Pernet.** Rich unfading large yellow blooms.
- Souv. Georges Pernet.** Oriental red shaded yellow.
- Sunburst.** Yellow shaded orange.

### Lot D California Roses

New and desirable varieties. Each 75c; 6 for \$4.00. By mail each 85c; 6 for \$4.25.

- Catalonia.** Double orange vermillion with golden reverse.
- Cynthia.** Full, rich oriental red, of large size.
- Golden Rapture.** Double yellow, a beautiful flower.
- Max Krouse.** Very double, golden yellow, vigorous grower.
- Pres. Plumecocq.** Lasting, soft copy yellow and salmon.
- Rouge Mallerin.** Brilliant deep red, long pointed buds, with double flower.

### STANDARD CALIFORNIA CLIMBING ROSES

Price each 40c; 6 for \$2.00; 12 for \$3.75. By mail each 50c; 6 for \$2.20; 12 for \$4.10.

- Clb. American Beauty.** Hardy variety, rich red to crimson.
- Clb. Mary Wallace.** Large rosy pink, with salmon base.
- Clb. Silver Moon.** White, with clear yellow stamens.
- Paul's Scarlet Climber.** A brilliant rose, scarlet.



Briarcliff

### EXCEPTIONAL CALIFORNIA CLIMBING ROSES

These are the monthly blooming climbing roses, but please understand no climbing variety of rose will bloom as freely or as continually as the ever-blooming bush types. They will, however, give you some blooms during the whole season.

Price each 50c; 6 for \$2.50; 12 for \$4.50. By mail each 60c; 6 for \$2.70; 12 for \$4.85.

- Clb. Etoile de Holland.** Large dark velvety red.
- Clb. Golden Emblem.** One of the most popular, yellow.
- Clb. Kaiserin Aug. Victoria.** White flowers.
- Clb. Lady Hillingdon.** Orange yellow, good bloomer.
- Clb. Mrs. E. P. Thom.** Same yellow flowers as bush type.
- Clb. Pres. Herbert Hoover.** Creamy yellow, flame tints.
- Clb. Red Radiance.** Blooms freely, rich red.
- Clb. Sunburst.** Rich yellow shaded orange.
- Clb. Talisman.** Blooms two toned yellow, pink, red.

## Patented Roses

### To Buyers of Patented Roses

We cannot replace patented roses. We believe that with proper care they will grow and thrive and come true to description, but they must be purchased with the understanding that no replacement will be made under any circumstances.

**AMELIA EARHART.** Plant Patent No. 63. Yellow to cream center, a rich beautiful color. Each, \$1.25; by mail, \$1.40.

**BETTER TIMES.** Plant Patent No. 23. Large and double Cerise red, very fragrant. Each, \$1.25; by mail, \$1.40.

**COUNTESS VANDAL.** Plant Patent No. 38. Pointed buds of bronze copper, salmon and gold, open often 6 inches across. Bush form very fragrant. Each, \$1.00; by mail, \$1.15.

**MARY HART.** Plant Patent No. 8. Beautiful in bud, a red Talisman, opens up to a velvety blood red color. Each, \$1.00; by mail, \$1.15.

**MATADOR.** Plant Patent applied for. Scarlet crimson with darker reverse. Each, \$1.50; by mail, \$1.65.



# R.-H. Co.'s FERTILIZER

## HOW TO USE FERTILIZERS

Fertilizers can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; then cover same with a little soil and then sow your seed. Or, they can be used by working them into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and the nature of the plant.

Fifty pounds of Garden Fertilizer is sufficient for a garden 40x50 feet. For all field crops, use from 200 to 400 pounds per acre, according to the soil.



### Aluminum Sulphate

When added to the soil at rate of 2 lbs. to 20 square feet, gives plants vigor and increased growth. Used also to change color of blooms on Hydrangeas.

1 lb., 15c; 10 lbs., \$1.00. By mail, 1 lb., 25c; 10 lbs., \$1.30.

### R.-H. Co.'s Bone Meal



Bone meal is an excellent fertilizer for all kinds of fruit trees, rose bushes, grape vines, bulbs, ferns, and other potted plants, and for grass crops. It is especially desirable for producing solid, firm growth, which is an important feature in fertilizing the orchard, shade trees, shrubs, etc. Fine for lawns.

### Bone Meal Regular Grade

5 lbs., 25c; 25 lbs., 90c. By mail, 5 lbs., 45c.

### Bone Meal Rose Grower

Especially Fine for Roses

4 lbs., 25c; 25 lbs., \$1.25. By mail, 4 lbs., 45c.

### Garden Fertilizer 4-8-4

The most largely used grade for all garden crops, tomatoes, potatoes and corn. Contains a balanced plant food that makes bigger crops. 10 lbs. 40c. Postpaid, 10 lbs., 65c.

### Wood Ashes

Pure hard wood ashes, high in potash. 100 lb. bag, \$1.50.

### R.-H. Co.'s Commercial Fertilizers

Prices on request. Analysis as follows:

	Nitro.	Phos.	Pot.
Good Luck corn fertilizer..	4%	8%	4%
Good Luck cotton fertilizer	4%	8%	4%
R.-H. Co.'s Veg. Fertilizer.	3%	8%	6%
R.-H. Co.'s Acid Phos. ...		16%	
R.-H. Co.'s Muriate Potash			48%
R.-H. Co.'s Kainit.....			20%

Quantity Prices: For prices on above fertilizers, see Green Ink List enclosed.

### Peat Moss



A moisture retaining humus. Quickly decays so that it is available for plant food. It is excellent for potting bulbs and also for clayey soils, gravelly soils, flower beds, hotbeds, and as a winter protection for lawns. It is also good for mulching roses, perennial flower beds, evergreens, etc.

\$3.00.

### Servall Horticultural Mulch

Per bale, about 100 lbs., \$1.60.

### Garden Lime

Pulverized, fine, especially good for use on sour soil and where ground worms frequent. It purifies and sweetens soils. 5 lb. bag, 25c; 10 lb. bag, 35c; 40-lb. bag, 50c. Cannot be mailed.

### Nitrate of Soda



Everyone that used Nitrate of Soda on the cotton crop was well repaid for the expense. Application of Nitrate of Soda on cabbage, lettuce, beets, etc., makes them more crisp and tender. Always remember that Nitrate of Soda must be used carefully, as it is a caustic and will burn plants if used too liberally.

It requires about 150 pounds of Nitrate of

Soda to the acre.

Prices: 5 lbs., 25c; 15 lbs., 60c; 25 lbs., 75c. Postpaid, 5 lbs., 45c; 15 lbs., 90c.

### Vigoro

Prices Postpaid: 1 lb. pkg., 20c; 5 lb. pkg., 70c; 10 lb. pkg., \$1.10. For complete Price Schedule, see Page 7.

### Sheep Manure

A pure natural manure, free from all noxious weeds. Highly recommended and used largely as a fertilizer for lawns, potted plants, vegetables, flowers, etc. It furnishes a natural humus to the soil, giving immediate and lasting results. Easy to use and safe, as it does not burn.

It may be used at the rate of 20 to 50 lbs. to every 1,000 square feet in a dry form, or 500 to 1,000 lbs. per acre.

5 lbs., 25c; 25 lbs., 70c; 50 lbs., \$1.10; 100 lbs., \$1.75. By mail, 5 lbs., 40c.

## STIM-U-PLANT

Stim-U-Plant is an odorless, highly concentrated plant-food, in tablet form, guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash.

Pkg. 10 tablets, 10c; pkg. 30 tablets, 25c; 100 tablets, 75c; 1000 tablets, \$3.50. Mailed, 15c, 35c, 85c and \$3.75.

### Sulphate of Ammonia

A wonderful fertilizer for lawn, garden or orchard. Guaranteed 25 1/4 per cent ammonia, highly concentrated, quick acting. Ammonia supplies nitrogen, the most essential plant food.

Prices in bulk: 5 lbs., 25c; 10 lbs., 45c; 25 lbs., 75c. By mail, 5 lbs., 45c; 10 lbs., 70c.

### Aero Cyanamid



leaching nitrogen, its hydrated-lime residue, and its partial sterilizing effect on the soil when used liberally, are very important supplemental characteristics.

#### Does Not Wash Out of the Soil

On being applied to or drilled or cultivated into moist soil, Aero Cyanamid is changed by the soil to ammonia and hydrated lime.

The ammonia is so firmly held by the smaller soil particles and by the soil organic matter that it cannot readily be washed out by rains. The lime has a sweetening effect on the soil.

Aero Cyanamid is the only nitrogen material which supplies hydrated lime to the soil. A ton of it supplies 1400 pounds of hydrated lime.

No other carrier of nitrogen on the market has as beneficial a residual effect as has "Aero" Cyanamid.

#### Aids in Control of Weeds and Disease Organisms

Aero Cyanamid is of especial interest by reason of its partial-sterilizing effect on the soil. Rightly used in large amounts, Aero Cyanamid aids in the control of weeds, nematodes, and disease organisms. After Aero Cyanamid has exercised its sterilizing action, and its lime has destroyed soil acids, its nitrogen is then yielded up to the crop.

Ask for Booklets describing this scientific fertilizer material. Prices given on our Green Ink List.

A valuable fertilizer for all crops such as Corn, Cotton, Gardens Grain, Grasses, Pastures, also Fruit Trees, Grape Vines, and Berry Plants.

Aero Cyanamid is an air-nitrogen product in which nitrogen plant food is combined with soil-improving lime. Granular Aero Cyanamid contains 21% nitrogen and 70% hydrated lime.

#### Has Superior Qualities

Aero Cyanamid supplies nitrogen in readily-available form. Aero Cyanamid has certain qualities which place it in a preferred position. Its non-



# Spray Materials and Insecticides

Our service in this department is free; do not fail to come to us for any information needed in spraying line. We keep up-to-date and have in stock the very newest and best materials for spraying at all times. Most insecticides and liquids are now available. Prices f. o. b. Memphis, and subject to fluctuations, buyer paying carriage charges, except where priced parcel post paid. See Green Ink List for quantity prices.

## Acme All Around Spray

A combination fungicide and insecticide, kills chewing and sucking insects at same time.

¼ lb. can, 30c; postpaid, 40c.  
1 lb. can, 75c; postpaid, 85c.

## Acme Aphis Spray

A contact improved Nicotine Spray for lice, aphids, thrip and leaf hoppers on roses, trees and vegetables. 3 oz. tube makes one gallon. 35c; postpaid, 45c.

## Acme Ant Kill

A poisonous syrup that is death to all kinds of ants; wipes out the whole colony. Cottage Sets Syrup and Traps. 35c; postpaid, 45c.

## Acme Bait-M

To combat sow bugs, cut worms and grasshoppers, use Acme Bait-M, it never fails. 1 lb. carton, 35c; postpaid, 50c.

## Ant Gas

Kills ants quickly, eliminates the whole colony, eradicates moles; simple and easy to use. ½ pt. can, 50c.

## Ant Zix

Attracts ants, then destroys them like nothing else will. Gets every last one of them without fail; dependable and inexpensive. Tube, 25c; postpaid, 35c.

## Antrol Sets

Kills ants in the nest quickly—it's safe, permanent and effective. Ready filled sets of 4 containers, 40c; postpaid, 55c. 4 oz. bottle syrup for refilling, 35c; mailed, 45c.

## Arsenate of Lead

Kills every insect that eats it; can be used dry as powder or as a solution in water. ½ lb., 18c; 1 lb. bag, 25c; 4 lb. bag, 65c. Postpaid: ½ lb., 28c; 1 lb. bag, 40c; 4 lb. bag, 85c.

## Astrogen

A soil treatment for summer flowering plants such as Asters, Snapdragons, Columbines, Delphiniums, etc. Keeps plants healthy. 2 lb. can, 75c; postpaid, 90c.

## Arsenite of Zinc

An arsenical poison for potatoes with stimulating effects. 4 lb. bag, 75c; by mail, \$1.00.

## Basic Zinc Arsenate

For late seasons spray to control Codling moth on apple trees. 4 lb. bag, \$1.00; by mail, \$1.25.

## "Black Leaf 40"

40% NICOTINE

For all sucking insects, such as lice, red spider and aphids, on roses, apple and plum trees, evergreens, etc. Use 1 ounce to 5 gallons of soapy water. Price: 1 oz., 35c; 5 ozs., \$1.00; 1 lb. bottle, \$2.25; 2-lb. can, \$3.25; 5-lb. can, \$5.85; 10-lb. can, \$10.60. Postpaid: 1 lb., 45c; 5 ozs., \$1.15; 1 lb., \$2.45; 2 lbs., \$3.50; 5 lbs., \$6.25; 10 lbs., \$11.00.

## Bluestone

Commonly known as Copper Sulphate. We have both the small crystal and powdered form of same. Should be used for peach leaf curl and apple blotch. 3 lbs. to 50 gallons of water. 1 lb., 15c; 10 lbs., \$1.00. Postpaid: 1 lb., 25c; 10 lbs., \$1.25.

## Bordeaux Mixture

The perfect spray for fungous diseases of fruit trees, shrubs, black spot on roses. Fungous troubles must be prevented by spraying at regular intervals. 1 lb., 25c; 4-lb. bag, 65c. Postpaid: 1-lb. bag, 40c; 4-lb. bag, 85c.

## Bordeaux Dust With Arsenical

Controls chewing insects and fungous disease on all garden crops. Also on apple trees and grape vines. 25-lb. bags, \$2.50.

## Calcium Arsenate

Kills effectively potato bugs, potato beetles, tomato worms, grasshoppers, army worm and cotton boll weevil. Can be used dry mixed with lime or as a spray mixed with water. ½ lb., 15c; 1 lb., 20c; 4 lbs., 50c. Postpaid: ½ lb., 25c; 1 lb., 30c; 4 lbs., 70c.

## Carbon Di-Sulphide

For keeping weevils and other insects out of grain and cow-peas. 1 lb., 45c; 5 lbs., \$1.90.

CERESAN SEED DISINFECTANTS. SEE PAGES 1 AND 18.

## Corrosive Sublimate

Used for treating sweet potatoes before bedding to prevent black rot. One ounce will make 8 to 10 gallons of water. ¼ lb., 50c; 1 lb., \$1.50; 5 lbs., \$6.50. Postpaid: ¼ lb., 60c; 1 lb., \$1.65; 5 lbs., \$6.75.

## Cyanogas—A Dust

A simple way to get rid of pests. Use Cyanogas. Kills ants, rats, mice, moths, fleas, bedbugs, clothes moths, wax moths, pigeons, sparrows, chinch bugs on lawns, grape leaf hoppers, mealy bugs, melon aphids, etc. ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00.

## Cyanogas G. Fumigant

Especially prepared for moths and weevils in grain. 100 lb. drums, \$30.00.

## Cubor

### A Non-poison Insecticide

A complete Rotenon Spray with spreader for all plant insects, whether chewing or sucking. Gets the Mexican bean beetle, lice or aphids without injury to plants. ½ ounce makes 3 gallons of spray material. Price: ½ oz. pkt., 10c; 2 oz., 25c; 1 lb., \$1.00; 4 lbs., \$2.80. By mail: ½ oz., 15c; 2 oz., 35c; 1 lb., \$1.10; 4 lbs., \$2.95.

## Crow Repellers

When these preparations are applied to seed corn before planting they will prevent birds or crows from pulling the corn up. They will not gum the planter and their use will save time and worry. We have two good dependable preparations.

No-Crow. ½ pt. size treats 1 bushel. 60c; by mail, 70c.  
Cro-Tox Crow Repeller. Bu. size, 60c; 4 bu. size, \$1.50; by mail, 70c and \$1.65.

## C. P. O. Liquid Soap

A useful soap spreader, its use will control Scale, Aphide, Lace Fly, Mealy Bug, Harlequin Bug and many forms of beetles when added to Black Leaf 40 Evergreen or any Pyrethrum Sprays. 3 oz. bottle, 25c; 1 pt. can, 60c; qt., 90c; gallon, \$2.25. Postpaid: 3 oz., 35c; pt., 75c; qt., \$1.10.

## Dendrol Dormant Spray Oil

Especially effective on Fruit and Pecan Trees. Emulsifies perfectly in hard or cold water. Kills San Jose and Seurvy Scale and Red Mites. 100 per cent; Dendrol costs less than most any other spray material for dormant use since it requires only 2½ gallons for 100 gallons of spray mixture. Ask for circulars on Dendrol. Price: 1 qt., 45c; 1 gal., 85c; 5 gals., \$3.50.

## Dritomic Sulphur

One of the best preparations for the shuck spray, and growing period or summer spray on peaches, apples, etc. On the shuck spray add arsenate of lead. Dritomic Sulphur will control scab and brown rot on peaches and plums, and scab on the apple. Use one pound to 20 gallons of water with ½ lb. Arsenate of Lead and 1 lb. lime. We have both apple and peach Dritomic Sulphur.



## Peach Dritomic Sulphur

5 lb. pkg., 75c. Makes 100 gallons of spray material. Postpaid, 95c.

## Apple Dritomic Sulphur

This is especially for summer spray on apples. Cures blotch and codling moth. 5-lb. pkg., 75c. Postpaid, 95c.

## Dry Mix

A condensed spray for Peaches and Plums as soon as the blossoms have fallen. Contains also Arsenate of Lead, so you will not be confused in making this most important application.

Dry Mix prevents wormy peaches, also prevents fungous diseases, rot, etc. 1 lb. makes 5 gallons of spray material. 1 lb., 25c; 5 lbs., 75c; 12½ lbs., \$1.25. Postpaid: 1 lb., 35c; 5 lbs., 95c; 12½ lbs., \$1.50.

## Ethylene Chlorhydrin

A new chemical applied to spring dug potatoes; makes them sprout quickly. One quart makes enough to treat eight bushels of seed potatoes. Directions come on packages. ½ pt., 50c; pt., \$1.00; qt., \$2.00; gal., \$4.25. By mail, ½ pt., 70c; pt., \$1.25; qt., \$2.35; gal., \$4.95.

## Ever Green

### Non-Poisonous Insecticide

Kills them all; safe to use on tender plants and blossoms, cannot burn, non-poisonous.

Controls insects such as aphids, cut-worms, squash bugs, potato bugs, caterpillars, beetles, etc., quickly, safely and economically. 1-oz. bottles, 35c; by mail, 45c. 6-oz. can, \$1.00; by mail, \$1.15. 16 oz. can, \$2.00; by mail, \$2.20; 1 gal. can., \$11.00.

Quantity prices on all insecticides described on this page are given on our Green Ink List enclosed.



**Fish Oil Soap With Potash**

Prevents and cures aphids, lice and other troubles on plants and trees.

Mixed with other spray materials, acts as a spreader. 1 lb., 35c; 5 lbs., \$1.20; 10 lbs., \$1.90; by parcel post, 1 lb., 45c; 5 lbs., \$1.45; 10 lbs., \$2.20.

**Formacide**

Seed and soil disinfectant used as a dust control of damping off, and makes strong healthy plants and increases yields. 1/2 lb., 45c; 1 lb., 75c; 5 lbs., \$2.00. Postpaid: 1/2 lb., 55c; 1 lb., 90c; 5 lbs., \$2.20.

**Formaldehyde or Formalin**

Used for treating oats, wheat, etc., to prevent smut; also to prevent potato scab. One pound will make 30 gallons of solution. 1-lb. bottle, 45c; postpaid, 60c.

**Garden Guard**

A Rotenone preparation that is perfectly harmless to humans, but effective against both sucking and chewing insects on all vegetables and flowers. Used as a dust. 1 lb., 35c; 4 lbs., 75c; 25 lbs., \$1.00. Postpaid: 1 lb., 45c; 4 lbs., 95c.

**Grafting Wax**

Used for grafting scions on trees. 1/4 lb., 20c; 1/2 lb., 35c; 1 lb., 50c. Postpaid: 30c, 45c and 60c.

**Hammond's Rose Dust**

Prevents and cures black spot, blight and mildew on roses and other plants, simply use as a dust—it is non-poisonous. 1 lb. can, 35c; by mail, 45c.

**Hydrated Lime**

For mixing with Sulphur in making dry mix or home boiled Lime Sulphur, it is also used for sweetening the soil in flower and vegetable gardens. 5 lb. sk., 25c; 10 lb. sk., 35c. 40 lb. sk. at store, 50c.

**Kayso**

Prepared casein is a spreader and adhesive. It makes any poison stick and resistant to washing effect of rains. Two-lb. pound package is sufficient for 50 gallons of spray. 2 lbs., 50c; 10 lbs., \$2.00. By parcel post, 2 lbs., 65c; 10-lb. bag, \$2.25.

Quantity prices on all insecticides described on this page are given on our Green Ink List enclosed.

**Lime-Sulphur—Dry or Powdered**

A convenient material to control San Jose scale and other fungus trouble, such as peach tree leaf curl and blister mites. Dilute one pound Dry Lime-Sulphur to 4 gallons of water. 1 lb., 25c; 5 lbs., \$1.00; 12 1/2 lbs., \$1.35. Postpaid: 1 lb., 35c; 5 lbs., \$1.25; 12 1/2 lbs., \$1.65.

**Lime-Sulphur Solution**

A concentrated liquid form easily mixed. Simply add 7 gallons of water to 1 gallon of the solution. Mixes easier than the dry; will not clog the nozzle. Qt., 35c; gallon, 65c; 5 gallons, \$2.25. Postpaid: Qt., 50c; gallon, 85c.

**London Purple**

A quick sure insecticide for potato bugs and army leaf worm. Can be used either as a dust or spray. 1/4 lb., 15c; 1 lb., 25c; 4 lbs., 60c. Postpaid: 1/4 lb., 25c; 1 lb., 35c; 4 lbs., 75c.

**Magnesium Arsenate**

Controls the Mexican Bean Beetle effectively, and will not burn the foliage. MAGNESIUM ARSENATE DUST MIXTURE for mixing with lime. 1 lb. can, 30c; 4-lb. pkg., 75c. Postpaid: 1-lb. can, 40c; 4-lb. pkg., 95c.

MAGNESIUM ARSENATE for spraying; 2 lbs. to 100 gallons water. 12 oz. pkg., 35c; 2 lb. pkg., 60c. Postpaid, 45c and 75c.

**Marvel Spray**

Kills Mealy bugs on Gardenias, Coleus, Ferns, Ivy, Mums, Daisies, etc. 2 oz. bottle makes 2 gallons of spray, 50c. Postpaid, 60c.

**Mologen**

Eliminates moles from your lawn in two or three days. A non-poisonous, odorless dry powder that will not injure the soil or grass but gets the moles. 1/2-lb. can, 50c; 1 1/2-lb. can, \$1.25; 5-lb. can, \$3.50. Mailed, 60c, \$1.35, \$3.75.

**Mosquito Larvicide**

Made under the Government formula, for spraying ponds and lily pools. It will not harm the vegetation or fish but quickly kills mosquitoes, etc. Qt. bottle, 60c; at store only.

**Nu Green**

Prevents and cures and controls Brown Patch on lawns. 3 oz. tin, 35c; by mail, 45c.

**1937 Calendar**

Sent free with any order to the value of \$1.00 or more. This Calendar is full of valuable information, with weather predictions. Your order must amount to \$1.00 or more.

**Oil Emulsion**

For dormant spray to control scale, Oil Emulsion Spray has no equal; it creeps and covers every part of the tree. Use it in January, February or March on a bright, warm day; avoid exposure to freezing.

Made according to formula in U. S. Farmers Bulletin No. 933. Use 1 gallon to 20 gallons of water. To control peach tree leaf curl, use 4 lbs. Bordeaux Mixture or 3 lbs. of Blue Stone (put these in water first) and 1 gallon of Oil Emulsion to 20 gallons of water. Qt., 35c; gallon, 65c; 5 gallons, \$2.25. Postpaid, qt., 50c; gallon, 85c.

**Orthodichloro benzene**

Used under building to keep out ants and termites. Simply spray it as it comes from the can on the sills and joists under buildings. Gallon can, \$1.75; 5 gals. \$7.50.

**Para-dichlorbenzene**

Peach tree borer control. Discovered at last a sure cure for peach tree borer. Time of application, October 1st to November 30th. It can also be used in the spring early in March. Prices: 1-lb. box, 40c; 5 lbs., \$1.40; 10 lbs., \$2.30. By parcel post, 1 lb., 50c; 5 lbs., \$1.60; 10 lbs., \$2.60.

**Paris Green**

Known for its effectiveness. It must be used with care; 1 teaspoonful to 1 gallon of water will be safe. Add 2 tablespoonfuls of lime to prevent burning. 1/4 lb., 15c; 1 lb., 50c; 2 lbs., 80c; 5 lbs., \$1.90; 14 lb. Kit, \$1.50. Postpaid: 1/4 lb., 25c; 1 lb., 65c; 2 lbs., \$1.00; 5 lbs., \$2.10; 14 lbs., \$1.90.

**Pine Tar**

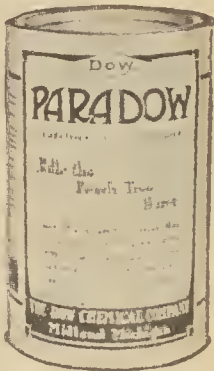
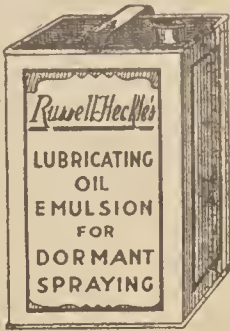
A very useful preparation and should be kept on the premises at all times. For bruises on trees Pine Tar is very effective. 1-pt. can, 25c. Postpaid, 35c.

**Potato Spray**

A well balanced combined insecticide and fungicide for Potato vines; its use will increase the crop. 5 lb. pkg., 95c.

**Easy-Wear Gloves**

Fine for all work when using insecticides, spraying, etc. Made of soft pliable leather, that makes the gloves convenient and easy to use. These gloves are sure protection when handling any spray material. Order a pair, state size wanted. Price, 75c a pair, postpaid.





Pomo-Green with Nicotine

Controls lice in addition to chewing insects and blackspot and other fungous diseases. Pomo-Green with nicotine is the leaf green dust that protects your roses and other plants without making treatment conspicuous. 1 lb., 75c; 5 lbs., \$3.00. Postpaid, 1 lb., 90c; 5 lbs., \$3.25.

Pyrox with Nicotine

A combination of Pyrox and Nicotine. Kills both sucking and chewing insects, besides controls fungous diseases.

Pyrox is especially effective on roses for diseases, lice and chewing insects. Also on Tomato to prevent blossom end rot. 17-oz. jar, 50c; 5-lb. can, \$1.75. Postpaid: 60c; \$2.00.



Red Arrow Spray

A new discovery. kills without burning; non-poisonous; effective against lice on turnip greens, leaf-hoppers and worms. 1 oz. bottle makes 3 gallons, 35c; mailed, 40c. 4 oz., \$1.00; mailed, \$1.10. Pt., \$2.50; mailed, \$2.65. Qt., \$1.00; mailed, \$1.25.

Red Star Insecticide

Absolutely sure death to all insects, ants, roaches and mosquitoes. A clear liquid, this will not stain. 1 qt. can, 60c; 1/2 gal. can, \$1.00; 1 gal. can, \$1.75; 5 gal. can, \$6.00. Postpaid, qt., 75c; 1/2 gal., \$1.25; 1 gal., \$2.10.

Scalecide

The old reliable Scalecide. The best known dormant or delayed dormant spray for the control of scale, peach leaf curl, aphid, red mite and other insects. For fruit trees or ornamentals. Simple, effective and easy to apply. Use 1 gallon to 15 gallons of water for trees that drop their foliage or 1 to 20 for evergreens. Scalecide is indeed the complete dormant spray. Qt., 65c; gal., \$1.55; 5 gal. can, \$5.50. Postpaid, qt., 85c; gallon, \$1.85.



Selocide

Kills Red Spider, 100 per cent effective, no other preparation will give equal results; also kills the eggs. 1 qt. can makes 25 gallons of Spray, \$1.25; 1 gal. can makes 100 gallons of Spray, \$3.00.

Semesan

For all flower and garden seeds, also bulbs. see page 1 for prices.

New Improved Semesan Bel

For treating potatoes, see page 1 for prices on new improved Semesan Bel.

New Improved Semesan Jr.

For treating Seed Corn. see page 1 for prices on New Improved Semesan Jr.

Sheps Plant Spray

Kills and controls plant lice, thrips, leaf-hoppers, harlequin bugs, red spiders, etc. Kills lice on turnip greens, etc. 8-oz. bottle, 60c; by mail, 75c.

Sulfocide

A concentrated liquid sulphur fungicide. Used on all kinds of fruits, vegetables and flowers. Convenient, economical and effective. Dilutes one gallon to two hundred gallons of water. Combines with Calcium Arsenate or Magnesium Arsenate. Where Arsenate of Lead is used, mix first with Kayso or a casein lime spreader before adding Sulfocide.



Pint, 50c; qt., 85c; gal., \$2.25. Postpaid, 60c; \$1.00; \$2.55.

Slug-Shot

A non-poisonous powder insecticide; it requires no mixing or preparation, easily applied and not injurious to person applying it, or fruits and vegetables. Destroys Mexican bean beetles, green flies, slugs, worms. 1 lb., 25c; 5 lbs., 75c. Postpaid, 1 lb., 35c; 5 lbs., 95c.



Liquid SLUG-SHOT

Liquid Slug Shot with Rotenone

Non-poisonous. 1 oz. bottle, 35c; by mail, 45c. 6 oz. bottle, \$1.00; by mail, \$1.10. 16 oz. bottle, \$2.25; by mail, \$2.40.

Sulphur, Powdered

Will prevent and cure mildew; should be used on all roses in the spring; apply dry. Also used for making self-boiled Lime-Sulphur as well as dusting, etc. 1 lb., 10c; 5 lbs., 40c; 10 lbs., 75c. By parcel post, lb., 20c; 5 lbs., 60c; 10 lbs., \$1.10.

Sulphur, Acme

This is a superfine grade of sulphur especially prepared for dusting roses for black spot and other fungous diseases. Price, 3-lb. can, 40c; by mail, 60c.

Sulphur-Mike

A trade name for the New Microscopic, extra fine prepared sulphur. Mixes readily with water in combination with lime, Arsenate of Lead, etc. 10 lb. pkgs. only, \$1.00; by mail, \$1.35.

Sulphur, Wettable

Finely pulverized, and will mix readily with water. On account of its superior quality, Wettable Sulphur controls quickly diseases on plants. 1 lb., 15c; postpaid, 25c; 25 lb. bag, \$2.50.

Terro Ant Killer

Dead sure and quick relief from ants of all kinds. Simply pour the preparation where ants enter the house or where they travel and Terro will do the job thoroughly. Two sizes, 25c and 50c a bottle. Postpaid, 35c; 60c.

Tanglefoot Fly Paper

Inexpensive and convenient to use. Pkg. 6 sheets, 10c; by mail, 15c.

Tobacco Dust

Especially desirable for use against lice and sucking insects. By freight, lb., 10c; 10 lbs., 60c. By parcel post, lb., 20c; 10 lbs., 85c.

Tobacco Dust Gold Leaf

Extra clean, purest grade. 2 lb. pkg., 25c; 10 lb. pkg., 85c. By Mail, 2 lbs., 40c; 10 lbs., \$1.20.

Tobacco Stems

Use them around trees of any kind when planting. Fine for nests for poultry. Bale, about 70 lbs., \$2.50.

Tree Tanglefoot

Used as a band on all kinds of trees, it will prevent any insects from crawling up on them. 1 lb. can, 60c; 5 lbs., \$2.75; 10 lbs., \$5.00. By parcel post, 70c; \$2.95; 10 lbs., \$5.30.

Tree Bands and Napto Paste

For controlling Codling moth on apple trees; their use prevents the moths from crawling up the trees. Apply May 1st.

These bands are essential if you want to raise good, clean fruit, free from punctures, caused by codling moths.

Bands 2 in. wide, 125 ft. long, 75c per roll. Bands 4 in. wide, 125 ft. long, \$1.00 per roll. 8 lb. can Napto Paste, treats 500 ft. 4 in. bands, \$3.00.

40 lb. drum Napto Paste, \$10.00.

Tri-ogen

The complete protection and spray treatment on roses, etc. Kills chewing insects, aphid, plant lice, thrips, leaf hoppers, beetles, rose chafers, white fly, lace wing fly and in addition, controls diseases such as black spot, rust, mildew, blight, etc. It stimulates growth. Tri-ogen is harmless to foliage and blooms.

Small Kit, makes 16 qts. .... \$1.50  
Medium Kit, makes 64 qts. .... 4.00  
Large Kit, makes 32 gallons. .... 6.00

Postpaid, Small, \$1.70; Medium, \$1.25; Large, \$6.25.

Tree Wound Paint

When pruning heavy branches of trees, paint them with this material. It's also good to heal bruises and keep out infection. 1/2 pt., 35c; pt., 50c; gallon, \$2.75. By mail: 1/2 pt., 15c; pt., 60c.

Tree Killer Champion

For trees, shrubs and vines. Trees die quicker, stumps rot quicker than old method of deadening. Will kill Johnson grass, sprouts, grubs, etc. Gallon, \$1.25; 5 gallons, \$5.50, f.o.b. Memphis.

Volek

A powerful insecticide used as a spray to overcome mildew, red spider, aphid, white flies, mealy bugs, etc. Volek is easy and pleasant to handle and has no odor. 1/2 pt., 35c; pt., 50c; qt., 75c; gal., \$2.00. By parcel post, 1/2 pt., 45c; pt., 65c; qt., 95c. Garden Volek with Nicotine, 3 1/2 oz. tin, 35c; by mail, 45c. Pt., \$1.00; by mail, \$1.15.



Weed Killer (Liquid)

Kills Coco, Johnson Grass and Poison Ivy, highly concentrated. Can be diluted with 20 parts of water. Gallon cans, \$1.50 each. Not mailable.

ATLACIDE

The safe and sure weed killer used by the Federal Government and recommended by State Experimental Stations for killing noxious weeds and grasses such as Johnson grass, poison ivy, quack grass, Canada thistle, etc.

Atlacide does not permanently affect soil fertility, therefore, is better than salt. It is effective for use on driveways and tennis courts where grasses become a nuisance. Atlacide can be applied as a dust or spray with satisfactory results.

5 lb. pkg., \$1.50; 15 lb. drum, \$3.50; 50 lb. drum, \$7.00; 100 lb. drum, \$13.50; 200 lb. drum, \$26.00.

Zinc Sulphate

If your peaches, just before ripening, split or crack, which disease is known as Bacterial Fungi, then use 2 lbs. of Zinc Sulphate to each 50 gallons of any Sulphur spray combination. Of course, always use Arsenate of Lead in the mixture. Use the Zinc Sulphate in the petal fall application. 1 lb., 15c; 2 lbs., 25c; 5 lbs., 50c; 25 lbs., \$1.75. By mail: 1 lb., 25c; 2 lbs., 40c; 5 lbs., 70c.



Garden Tools—Flower Pots

Baskets

	Each	Doz.
½ bu. wire bale, picking...	\$0.15	\$1.75
1 bu. side handle, stave...	.10	1.00

Corn Planters



One hand adjustable.  
Each  
No. 311. \$1.75  
  
Two hand adjustable.  
Each  
No. 306. \$1.25

Butter Churns

2 qt. size, each...\$0.75  
4 qt. size, each...1.25

Clipper Seed Cleaners

Will clean and separate seeds and grain of all kinds.  
Ask for circular and prices.

Flower Hanging Baskets

12 inch, each, 30c; mailed, 40c  
Green Moss for Baskets, lb., 35c; mail, 45c.  
Spaghnum Moss, Standard Bale, \$2.00.

Flower Pots—Standard

	Doz.	100
2 inch.....	\$0.20	\$1.15
2 ½ inch.....	.24	1.50
3 inch.....	.30	1.75
4 inch.....	.35	2.50
5 inch.....	.60	4.50
	Each	Doz.
6 inch.....	\$0.10	\$0.90
7 inch.....	.15	1.50
8 inch.....	.20	2.10
10 inch.....	.35	4.00
12 inch.....	.75	8.00



Paper Pots

	100	1000
2 ¼ inch.	\$0.50	\$3.80
2 ½ inch.	.60	4.10
3 inch.	.70	5.10
4 inch.	.90	8.00
Postpaid, 15c, 100		
Extra		

Garden Flower Shears

New. Snips and holds the flower at one operation. 59c pair; by mail, 70c.

Grass Hooks or Sickles

No. 5—	Offset Handle, each	35c
No. 3—	Offset Handle, each	50c
No. 12—	Scythe style, each	60c
No. 165—	Grass Whip, each	85c

Hedge Shears



	Each	Mailed
No. 106—	6-inch	\$0.95 \$1.15
No. 108—	8-inch	1.40 1.60
No. 109—	9-inch	1.75 2.00
No. ST08—	8-inch saw tooth.	Each 1.50
No. ST09—	9-inch saw tooth.	Each 1.85

Mole Trap

Reddick, each, \$1.25; mailed, \$1.45.

Peach Baskets

2 Qt., \$1.00 per 100; \$8.50, 1000.  
3 Qt., \$1.10 per 100; \$10.00, 1000.

Wooden Pot or Plant Labels

	100	1000
4-inch	\$0.35	\$2.00
6-inch	.40	2.50
8-inch	.50	3.00
10-inch	.60	4.75

Plant Stakes

	Doz.	100
Green Bamboo, 4 ft.	\$0.20	\$9.90

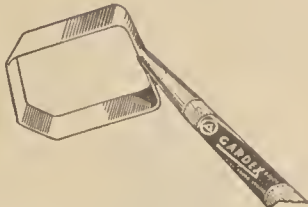
Pruning Shears, Hand



	Each
No. 119 Snap Cut	\$1.40
No. R-10 Hand Shears	.60
No. V-179 Hand Shears	.90



No. V-20, 26-inch handle	\$1.75
No. V-30, 26-inch handle	2.25
No. V60, 20-inch handle.	1.00
No. 166 Pruning Saw, curved.	1.25
No. 1 Polished Grasnip	.50
No. 3 Polished Grasnip	.60
No. 1 Notched Grasnip	.85



Gardex Garden Tools

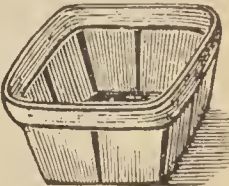
No. 1001—	Pull Hoe, 4 ½ ft. handle.	\$0.80
No. 1005 ½—	Pull Hoe, 5 ft. handle.	.90
No. 1503—	Cultivator, 4 ½ ft. hdl.	.70
No. 400—	Turf Edger, 4 ½ ft. hdl.	.95
No. 2006—	Hand Plow, 5 ft. handle.	1.50
No. 4006—	Row Marker, 5 ft. hdl.	1.25
No. 700—	Hand Weeder, 7 in. hdl.	.25

Raffia

Natural, in 2 lb. hanks. Lb. ....30c

Strawberry Boxes

1-Pint, 70c per 100;  
mailed, \$1.00.  
\$5.50 per 1000.  
1-Quart, 75c per  
100; mailed,  
\$1.15. \$6.00 per  
1000.



Tree Pruners



No. 12 Telephone,  
less pole .....\$1.35

Tree Labels

3 ½ in. copper wired, plain.  
100, 35c; 1000, \$2.00.  
Postpaid, 100, 50c; 1000,  
\$2.40.

Twine

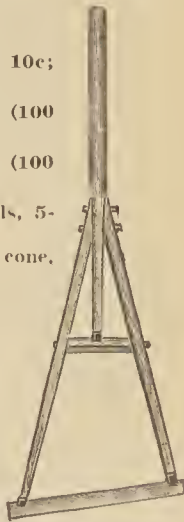
2-Ply Jute, ½-lb. ball, 10c;  
11 balls, \$1.00.  
2-Ply Jute, 50-lb. coil (100  
ends), \$9.00.  
2-Ply Jute, 25-lb. coil (100  
ends), \$4.75.  
Cotton Twine, 3-oz. balls, 5-  
lb. bag for \$1.75.  
Cotton Twine, 2 ½ lb. cone,  
85c.

Weed Cutters

Lively two-edged  
weed cutters. Each,  
95c.

No. 12 Weed Cut-  
ter. Each, 75c.

Extra blades for  
same. Each, 50c.



PLANET JR. GARDEN TOOLS

Specialized equipment for the gardener, built to last and gives service while it lasts.  
Ask for complete catalog.

Planet Jr. No. 4D Seeder

Plants small seed in a continuous row or in hills 4-6 or 8 inches apart, or large seeds 12 to 24 inches apart. It is accurate and dependable. Weight, 40 lbs. Price, \$13.75.

Planet Jr. No. 300A  
Drill Seeder

Many patented and exclusive features combine to make the No. 300A the finest tool on the market. It is most accurate, sows any seeds in a continuous row, covers them uniformly so you get a perfect stand. Weight, 34 lbs. Price, \$19.00.

Fire Fly Garden Plow

A great tool for plowing up small gardens. Wt., 12 lbs. Price, \$1.00; with Mauldin's attachment, \$6.00.



No. 300A Planet Jr. Drill Seeder

Planet Jr. No. 12  
Wheel Hoe

A combined double or single wheel hoe, light and easy running for all garden work. Equipment one pair six-inch hoes, four cultivator teeth, one pair of plows, two leaf lifters. Weight, 30 lbs. Price, \$10.50.

Planet Jr. No. 17  
Single Wheel Hoe

A dandy light and easy running tool, does perfect work. This tool is a miracle for working the garden. Equipment: 1 pair six-inch hoes, three cultivator teeth; one large garden plow. Weight, 20 lbs. Price, \$7.50.

Planet Jr. No. 19  
Garden Plow and Cultivator

Equipment: One two-inch cultivating tooth, one ten-inch sweep, one plow, comes with 15-inch steel wheel. Weight, 18 lbs. Price, \$4.75.



## R.-H. Co.'s Spray Pumps

We handle only standard outfits, all sold at reasonable prices. Repair parts available on short notice. Special catalog mailed on application.



The Pennant Sprayer was designed to give the purchaser the greatest possible value for the money. The funnel has been added for ease in filling. Four gallon galvanized or copper tank, all seams riveted with brass rivets and heavily soldered, brass seamless tubing pump extra length, 27" hose, 24" brass extension—weight about 13 lbs.

No. 40 Galv. Tank, \$5.75; mailed, \$6.00.  
No. 40 Copper Tank, \$8.75; mailed, \$9.00.



The Pennant Junior is a high grade sprayer, 2½ gallon capacity made in either galvanized or copper tank, brass seamless tubing pump, 24" hose, 18" extension, thoroughly riveted container, weight 9 lbs.

No. 50 Galv. Tank, \$1.00; mailed, \$4.25.  
No. 50 Copper Tank, \$6.50; mailed, \$6.75.



The Lowell Flash is 2¼ gallons capacity, made in galvanized container only, designed for light spraying jobs, brass seamless tubing pump, hand lock, 24" hose, 18" extension, weight 8 lbs.

No. 12 Galv. Tank, \$2.75; mailed, \$3.10.

Remember that the peaches must be sprayed every two weeks with the Dri-tomic Sulphur spray for the control of Brown Rot.



No. 736

### Lowell Radiant Portable Sprayer

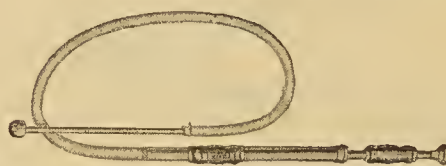
A 12-gallon portable machine for truck gardeners, orchardists, poultrymen, etc. Compact construction adapts it for use between narrow rows, close quarters, etc. Pump develops 125 pounds working pressure, equipped with non-clogging strainer which is cleaned by agitator at each stroke of the pump. Frame of channel iron. Large wheel with wide tire. Equipped with 5 feet of hose, 2-ft. iron extension, angle spray nozzle.

No. 736—(Without pressure tank).  
Weight 46 lbs. .... \$12.25  
No. 739—(With pressure tank and gauge).  
Weight 60 lbs. .... \$21.00

### Lowell Monarch Portable Sprayers

Tank holds 18 gallons equipped with high powered pump and all necessary fittings. Extra strong and durable.

No. 734—Without pressure tank.  
Weight 57 lbs. .... \$19.00  
No. 735—With pressure tank.  
Weight 84 lbs. .... \$28.50



Lowell Trombone Pump for use in all types of spraying, including washing windows, automobiles and fighting fires. All brass cylinders and valves; weight, 3½ lbs.

No. 133 — Trombone Sr. Sprayer, \$3.75.  
Mailed, \$4.10.



Lowell Whirl Duster, extra heavy glass jar, two 12" extensions for all types of dusting; weight, 1½ lbs. each.

No. 415—Whirl Duster, \$1.00. Mailed, \$1.30.

Spray the apples with Bordeaux Mixture and Arsenate of Lead during the last week in May.



Lowell Jumbo Continuous Sprayer. Can be used with all disinfectants, insecticides, etc. Also handy in dairy barn, hog and chicken house, for use with oil solutions only, capacity about three quarts, galvanized container; weight, 3¼ lbs.

No. 215—Jumbo Continuous, \$1.25. Mailed, \$1.55.

### Three Quart Continuous Sprayers

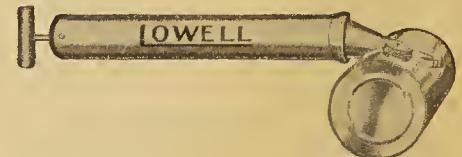
Extra strong, galvanized tank fitted with a quick acting shut-off nozzle.

No. 237 — Commander. 3 qt. Each, \$2.00; by mail, \$2.25.



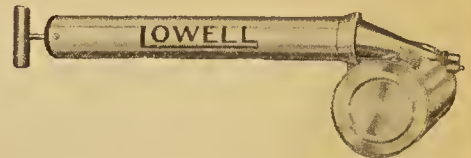
Lowell Crystal, made of heavy tin, mason quart fruit jar interchangeable, weight 2 lbs. each, for all types of spraying.

No. 230—Crystal Sprayer, 50c. Mailed, 75c.



Lowell Ideal Sprayer, made of heavy tin, quart capacity, atomizer type, very efficient for all types of spraying.

No. 235—Ideal Sprayer, 40c. Mailed, 60c.



Lowell Master Continuous, made of heavy tin, adjustable nozzle, quart capacity; weight, 1¼ lbs. each.

No. 208—Master Continuous, 70c. Mailed, 95c.



Lowell Ambassador glass jar Continuous Sprayer for use with all types of insecticide spraying—made for oil solutions only, glass jar 24 ounce capacity, large plunger; weight, 2 lbs. each.

No. 206—Ambassador, \$1.00. Mailed, \$1.30.



Myers Bucket Sprayers

These will do a good job of spraying on either tall trees or shrubs, easy to use.  
No. 325—Bucket Pump, \$3.60; by mail, \$3.85.  
No. R-324—Bucket Pump, \$5.25; by mail, \$5.60.

Myers Kwik Fill Compressed Air Sprayers

New design with concave top and removable tube.

No. 2210 Myers Kwik Fill 2½ gallon Galvanized Tank. Each, \$4.00; postpaid, \$4.25.

No. 2242 Myers Kwik Fill 1 gallon Galvanized Tank. Each, \$4.95; postpaid, \$5.25.

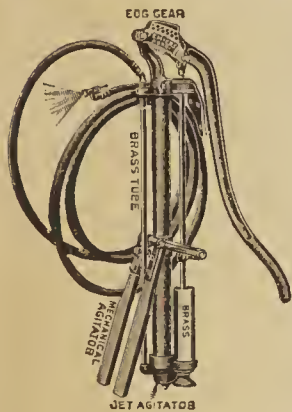


No. 2242

Myers No. R336½B Portable Sprayers

Capacity 12½ gallons; tank made of heavy galvanized iron, equipped with portable wheelbarrow frame; has agitator, with 15 feet hose connection. Vermorel nozzle and 8-ft. pipe extension. Complete, \$20.00.

Myers No. R-305B Barrel Pump



No. R-305B

Designed to meet the requirements where a good pump at a moderate price is required. Attaches to the side of an open barrel. Equipped with Cog Gear Handle, jet and mechanical agitators, complete with 15 feet of ½-inch 5-ply discharge hose and Myers Graduating Vermorel Nozzle. Price complete, less barrel, \$12.00.

Myers No. R318B Barrel Pump

Attaches to top of closed barrel. Has bronze ball valves and brass seats. Plunger is self-expanding and the cylinder and pipes are all brass. Price, with one lead of 15 feet of ½-inch, 5-ply discharge hose, graduating Vermorel nozzle and mechanical agitator, complete less barrel, \$13.00.

Myers O.K. Cog Gear Barrel Spray Pump

No. R-308B air chamber 2½ inches, will carry 200 lbs. pressure. With one lead of 15 feet, 7-ply ¾ inch hose and nozzle. Price, less barrel, \$20.50.  
No. R-308C. The same with 2 leads of spray hose and two nozzles. price less barrel, \$23.50.



Lowell General Duster for use in garden and in the home. Powder Compartment 1 full pint; weight, ¾ lb. each.

No. 367—General Duster, 50c. Mailed, 65c.

No. 367A — General Duster with extension pipes, 60c. Mailed, 75c.



Lowell Warrior Duster for use in garden, barn, hog and poultry house, powder compartment 1 quart capacity; weight, 1½ lbs. each.  
No. 165—Warrior Duster, 75c; mailed, \$1.00.



Lowell Crank Duster. Capacity about 6 lbs., for all types of dusting, easily operated and highly efficient; weight, 16 lbs. each.

No. 104—Crank Duster. Each, \$11.25.



The Lowell Guard Duster is used for all types of dusting of the home, and handles all powder insecticides; 7½" overall, weight ½ lb. each.

No. 460 — Guard Duster, 30c. Mailed, 40c.



No. 462—Elf Duster, 15c; mailed, 25c.

No. 600—Bellows Duster, each, \$1.50; mailed, \$1.80.

No. 36D—Dustmaster, \$1.00; mailed, \$1.25.



No. R-339½B

Myers No. R339½B Portable Sprayer

Fitted with 6 gallon air-chamber, in every other particular is the same as No. R-336½B. Price complete, \$32.00.

Myers Knapsack Sprayers

Myers No. 1330 New Idea Galvanized Knapsack Spray Pump—Fitted with ¾-in. hose, stop cock, pipe extension and nozzle. Complete, \$11.25.



No. 1330

Garden Hose Sprayer

Attach to any garden hose, then slip the insecticide cartridge in the chamber and you can spray all plants rapid, efficient and easy. Circulars mailed on request.

Price Garden Hose Sprayer with Extension Pipe and three sticks of Insecticide only \$6.00. Extra sticks of Insecticide sold at following prices:

Nicostick Cartridge ..... 35c; 3 for \$1.00  
Sulfostick Cartridge ..... 25c; 4 for 1.00  
Arsenostick Cartridge ..... 18c; 6 for 1.00

Small Hand Sprayers

No. 250—¾ pint tin Sprayer. Each, 25c; by mail 45c.

No. 291—1¼ pt. Glass Jar. Each, 20c; by mail 40c.



No. 250



No. 291



No. 18D — Savage Geared Duster. Each, \$18.00; prepaid, \$18.60.





Insect-O-Gun

A new device for spraying insecticides of all kinds. Attaches to any garden or lawn hose connection. The insecto Gun is a big labor saving device. With it your roses, shrubs or trees can be sprayed quickly and easily. Simply place the proper quantity of insecticide in the container and attach to the garden hose. You will be delighted with this new spray gun. Price, \$3.75; by mail, \$3.95.

Spray Hose

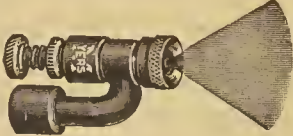


3/4 inch—3 ply, ft., 12c; mailed, 20c. 1/2 inch—5 ply, ft., 16c; mailed, 22c. 25 ft. or more, either size, 2c ft. less.

Spray Hose Nozzles



No. 168  
No. 168 Spray Nozzles.....Each, 60c  
No. 166 Spray Nozzles.....Each, 60c



Vermorel Spray Nozzle.....Each, 75c



No. 1283  
No. 642 Bordeaux Nozzle .....Each, \$1.00  
No. 1283 Brass Shutoff Cock....Each, \$1.00



No. 176 Perfection Nozzle.....Each, \$1.50



No. P9X Perfection Noz-  
zle, hose and extension.  
Each, \$2.40  
Adjustable Nozzle for  
spraying under leaves.  
Each, \$1.25

Hose Connections

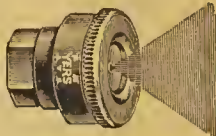


Female for 3/8- or 1/2- inch hose. 25c each.  
Male for 3/8- or 1/2- inch hose. 25c each.  
Hose Clamps, 3/8- or 1/2-inch.....Each 5c  
No. 1279—Y Connection.....Each 60c  
No. 1380—45° Bend Connection.....Each 25c  
No. 1381—45° Double Bend.....Each 40c



No. 145 Angle Spray Rod. Made entirely of brass, 5 1/2 feet long, weighs only 4 1/2 pounds. Automatic shut-off. Throws spray 30 feet from the nozzle. Ask for circulars. Price, each, \$7.95, f.o.b. Memphis.

Myers  
No. 1290 Nozzle  
Each, 70c



Extension Rods

2 ft. Brass .....\$0.60  
4 ft. Brass ..... 1.00  
4 ft. Iron ..... .50  
8 ft. Bamboo with shnt-off 4.50  
10 ft. Bamboo with shnt-off 4.75

Iron and Bamboo Extension Rods

Spray Repairs

Barrel Pump Washers.....15c  
Bucket Pump Washers.....10c  
Hand Sprayer Washers.....10c  
Comp. Air Pump Washers...10c  
Rubber Gasket for Com-  
pressed Air .....10c  
Check Valve for Comp.  
Air Sprayers .....10c  
Whirl Discs, Brass Screens  
and Steel Spray Caps for  
Spray Nozzles .....10c  
Postage 5c Each Extra

SPRAY CALENDAR

CROPS	INSECTS AND DISEASES	MATERIALS	DILUTIONS		TIME TO SPRAY
			One Gal. of Water	50 Gal. of Water	
PEACH PLUM CHERRY	Scale, Insects and Leaf Curl	Lime-Sulphur Sol. Oil Emulsion or Dry Lime-Sulphur	1 pint 1/4 pint 18-20 teaspoonfuls	5-7 gallons 2 gallons 12-15 pounds	In the fall or in the spring before the buds swell. Add Bordeaux to Oil Emulsion to prevent leaf curl.
	Shot Hole or Fungi	Zinc Sulphate	1 teaspoonful	2 pounds	Combine with petal fall.
	Curculio	Arsenate of Lead Dry Mix	2 teaspoonfuls 1/4 pound	3/4 to 1 pound 8 to 10 pounds	Combine these two as soon as blossoms fall.
	Scab and Brown Rot	Dry Mix, Dritomic Sulphur	12-20 teaspoonfuls 1 tablespoonful	8-10 pounds 1 quart	1. When most of shucks are off. 2. Two weeks after shucks dropped. 3. Four weeks before picking, if necessary.
APPLE PEAR	Borers	Paradichlorbenzene	1 to 2 ozs. from	trunk of tree	In the fall or spring.
	Scale Insects and Blister Mites	Lime-Sulphur Sol. Dry Lime-Sulphur	1 pint 18-20 teaspoonfuls	5-7 gallons 12-15 pounds	Dormant, delayed dormant. When buds begin to swell.
	Psylla, Slugs, Scab and Codling Moth	Bordeaux Mixture or Dry Lime-Sulphur or Lime-Sulphur Sol. Arsenate of Lead	12-16 teaspoonfuls 5-6 teaspoonfuls 1/5 pint 3-8 teaspoonfuls	6-8 pounds 3-4 pounds 1 1/4-1 1/2 gallons 1-1 1/2 pounds	1. Cluster or pink stage. 2. Calyx or petals fall. 3. Two weeks after petals fall.
	Later Codling Moth For blight at full blossom Blotch	Arsenate of Lead Bordeaux Dritomic Sulphur	3-8 teaspoonfuls 12-16 teaspoonfuls 3 teaspoonfuls	1-1 1/2 pounds 8 pounds 1 pound	Eight to ten weeks after petals fall and as often as necessary to keep fruit covered with Arsenate of Lead, and a fungicide.
	Aphids (Plant Lice)	Black Leaf 40 Evergreen Spray	1 teaspoonful 1 teaspoonful	1/2 pint 1/2 pint	Combine with other sprays and apply when Aphids appear.
GRAPE	Black Rot Mildew	Arsenate of Lead Bordeaux Mixture	2 teaspoonfuls 12-16 teaspoonfuls	1-1 1/2 pounds 6-8 pounds	1. After the blossoms fall. 2. Ten days to two weeks later.
	Leaf Hopper	Black Leaf 40	1 teaspoonful	1/2 pint	Apply when first nymphs of the Hopper acquire wings.



## R.-H. Co.'s Dog Foods

It pays to use our prepared Dog Foods as your dogs will keep in better condition and health. We are headquarters for the best Dog Foods and sell at factory prices as we are carlot buyers. Our stocks are always fresh and dependable, all manufactured on a scientific, balanced ration basis.

QUANTITY PRICES ON DOG FOOD GIVEN ON GREEN INK LIST.

### Animal Yeast Foam

The amazing food supplement that keeps dogs and cats healthier and happier. Improves appetite and digestion, gives thicker, glossier coat, keeps skin cleaner. Builds up health and vigor of all pets. Feed it as directed and you won't have any ailing dogs. 12 oz. can, 50c; by mail, 60c. 4 lb. box, \$1.00; by mail, \$1.15.

### Fleischmann's Irradiated Dry Yeast

Will keep your dogs and puppies in the pink of condition. Prevents worms and black tongue, being rich in vitamins B, G, D. 3½ oz. can, 25c; 8 oz. can, 50c; 1 lb. can, 85c; 5 lb. can, \$3.50. Postpaid, 35c; 60c; 95c; and \$3.70.

### Brown's Supercedar Kennel Bedding

Here is an article that you will appreciate; a cedar bedding for all dogs, containing all the oil and original odor of the red cedar wood. Brown's Supercedar keeps down flies, is sanitary; keeps down that doggy smell. 5 lb. bag, 35c; 25 lb. bag, \$1.25; 50 lb. bag, \$2.00. By mail, 5 lb. bag, 55c.

### "DOGZOFF" Copyright 1933

Spray it on shrubs and evergreens to keep them from becoming a nuisance and to prevent the Evergreens from dying; not offensive to human beings. One spraying will last three or four weeks. Will also drive out moles when put into the runs. Bottle, 60c; by mail, 69c.

### Dog Seat

Will keep dogs from evergreens, shrubs and plants, etc. Dogs and cats hate it. Guaranteed to do the work. Per tube, 30c; by mail, 40c.

### On-The-Nose

A new method for treating dogs. When spread on the dog's nose like salve, it is immediately licked off. The dog then takes its own dose; it prevents and aids in case of distemper, colds, etc. It is also a mild purgative and tonic, highly recommended by Veterinarians, Kennels and Dog fanciers—it is fully guaranteed. Price, \$1.00 a tube, postpaid.

### One Spot Flea Killer

Dust One Spot only and it will kill every flea. One spot is the latest thing in flea control. It is easily applied and it does the work. One Spot not only repels Fleas, it actually kills them. It is perfectly safe to use on small house pets. Price, 25c and 50c; postpaid.



DEPENDS upon you for a balanced diet. Keep him healthy and happy. Add years to his life by feeding Miller's biologically tested Dog Foods once a day.

### Miller's Dog Ration

Miller's Dog Ration is one of the best balanced dog feeds in the United States. Contains cereals, meat, bone, yeast and cod liver oil. It is fed to hunting dogs, police dogs, fox terriers, bulldogs and all other kinds—it is also fine for puppies. It is cooked and ready to use when received. 3 lbs., 25c; 10 lbs., 60c. Postpaid, 3 lbs., 40c; 10 lbs., 85c.

### Miller's Meaties

The Cube form of Miller's Dog & Puppy Ration. A most convenient method of feeding dogs, and do they like it! No other cube form of dog feed can compare with Miller's Meaties. The animal is the judge, he knows best what he likes.

All in cube form, a most convenient food to have on hand, ready instantly for feeding the pets. 3 lbs., 25c; by mail, 40c. 10 lbs., 70c; by mail, 95c.

### Miller's Dog Biscuit

Miller's Biscuits—besides providing the gnawing foods all dogs need for clean, strong teeth, healthy gums, and good digestion—supply food for all of your dog's body so that no organs age faster than others through lack of correct nourishment. Help your dog live longer. Feed Miller's Biscuits 4 or 5 mornings a week.

2 lbs., 25c; 10 lbs., \$1.00. Postpaid, 2 lbs., 35c; 10 lbs., \$1.25.

### Miller's Kibbled Biscuit

Miller's A-1 Kibbled Dog Biscuit is the same as whole only in broken form, which makes it convenient for mixing with vegetables, meat, fish, soups, broths, etc. 2 lbs., 25c; 10 lbs., \$1.00. Postpaid, 2 lbs., 35c; 10 lbs., \$1.25.

### Miller's Puppy Meal

Miller's A-1 Puppy Meal is especially adapted for the tender digestive organs of puppies. 2 lbs., 25c; 10 lbs., \$1.00. Postpaid, 2 lbs., 35c; 10 lbs., \$1.25.

### Perfection Meat Cereal

A perfect combination of quality and price. Perfection contains Cereals, Minerals, Vegetables, Meat, Cod Liver Oil, Calcium, etc., also Yeast in just the right proportions. It is a high grade dog feed at a reasonable price. Perfection gives energy and vigor and will keep your dog in the best of condition.

Perfection Meat Cereal is also fine for raising puppies; it will prevent rickets and aid digestion. 3 lbs., 25c; 10 lbs., 60c. By mail: 3 lbs., 40c; 10 lbs., 85c.

### Pratt's Dog Food

Made in cubed form which compels dogs to chew, which is necessary for the dogs' health. Your dog will like it. Convenient to use. 3 lbs., 25c; postpaid, 40c. 10 lbs., 70c; postpaid, 95c.



### Champion Dog Foods

Champion Dog Food is a complete and balanced diet for all ages and breeds of dogs. It contains a large content of fresh meat, white flour, whole wheat, corn meal and oat meal, also pure cod liver oil to furnish vitamins and prevent rickets, and various mineral salts to strengthen the bones.

	2 lbs.	10 lbs.
Champion Dog Biscuit	.....\$0.25	\$1.10
Champion Kibbled Biscuit	....	.25 1.10
Champion Puppy Biscuit	....	.25 1.10
Champion Puppy Meal	.....	.25 1.10
By Mail, 2 lbs., 35c; 10 lbs., \$1.35		

### Red Heart Dry Dog Food

is an improved food available in either biscuit or kibbled form.

The new food is made from fresh meat, vacuum-dehydrated meat by-products, marrow meat and bone, dry skimmed milk, fresh egg yolk, cereals, malt, wheat germ, cod liver oil, and yeast.

Price of Kibbled or Whole Biscuits: 10 lbs., \$1.00; postpaid, 10 lbs., \$1.25.

### Bennett's Dog Biscuit

A superior biscuit. Keeps dogs in good condition. Per box, 35c; by parcel post, 45c.

### Bennett's Puppy Biscuit

Especially prepared for puppies. Per box, 35c; by parcel post, 45c.

### P. H. Powders

A marvelous powder for pets, dogs, puppies, cats, rabbits, etc. If the animal gets off food, use P. H. Powders and watch the benefits. Guaranteed not to injure any pet even if fed in excessive doses. 4 oz. size, 75c; 1¼ lb. size, \$1.50. By mail, 4 oz., 80c; 1¼ lbs., \$1.60.

### Bee Brand Shampoo

Acts as a shampoo and kills all insects at the same time. Bottle, 30c; by mail, 40c.

### Kit-Kat

Keeps cats from having worms, constipation, sore eyes, humors and all diseases peculiar to cats. 25c a box. Mailed, 35c.

### R. H. Co.'s Top Notch Disinfectant

Holds down odors and fleas in kennels, in addition gives a healthy condition to all surroundings. 8 oz. bottle, 25c; mailed, 35c. 16 oz. bottle, 35c; mailed, 50c.

### Nose Lax

A perfect animal laxative simple and easy to use. A small dab on the nose and the animal will instinctively lick it off.

Nose Lax is not a severe or drastic dose, therefore does not leave the puppy or dog in a weakened condition.

Price 50c a tube, postpaid.

### Lactol

For rearing puppies there is nothing like it. Lactol is a valuable food for sick dogs, especially for animals recovering from any serious sick spell. Full directions for using are on the packages. 9 oz. can, 75c; 2¼ lb. can, \$2.50; by mail, 85c and \$2.65.





### Miller's Dog Food (Canned)

A clean beef meat product, designed to meet the needs of a quick lunch for dogs, puppies and cats. Rich in protein and organic matter. Can be used as a complete food, or with Miller's Ration. 1 lb. can, 10c; 12 cans, \$1.00. Postpaid, 1 can, 20c; 12 cans, \$1.40.

### Ken-L-Ration

The Dog Food Supreme. These Foods Are Literally Full of Vitamins. Composed of clean, wholesome meat, the best grade of cereals and Norwegian cod liver oil. A perfect balanced ration. 1 lb. can, 10c; 12 cans, \$1.10. Postpaid, 1 can, 20c; 12 cans, \$1.50.



### Red Heart Canned Dog Food

is available in 3 different flavors, beef, fish and cheese flavor. All three diets are made from the same nutritious ingredients—beef by-products, beef, vegetable meal, cereals, bone-meal, and cod liver oil. Completely U. S. Government inspected and fit for human consumption. 1 lb. can, 10c; 12 cans, \$1.00; by mail, 1 lb. can, 20c; 12 cans, \$1.40.

### Miller's Conditioner

Dogs who go off their feed occasionally, get listless or sluggish and sometimes scratch because of skin trouble, are usually put back in condition quickly with Miller's Conditioner. It is invaluable for bitches in whelp and is a great aid in making rich Alkaline milk and for helping puppies grow sound bones and teeth. 1 oz. can, 35c; 8 oz. can, 60c; 16 oz. can, 90c. By mail, 40c, 70c and \$1.00.

### Miller's Dog Soap

A highly scented dog soap, that has flea killing abilities, Miller's Soap is really a boon to dog owners. Price, cake, 25c; 5 cakes, \$1.00; by mail, 30c and \$1.15.

### Sergeant's Dog Remedies

	Each	Post-paid
Sergeant's Arsenic Iron Pills...	\$0.60	\$0.65
Sergeant's Canker Wash .....	.60	.65
Sergeant's Carbolic Tar Soap...	.25	.30
Sergeant's Condition Pills .....	.60	.65
Sergeant's Disinfectant, 4 ozs. ....	.25	.35
Sergeant's Disinfectant, 12 ozs. ....	.50	.65
Sergeant's Diuretic Pills—		
Rheumatism .....	.60	.65
Sergeant's Expectorant Medicine—Coughs .....	.60	.65
Sergeant's Eye Wash .....	.60	.65
Sergeant's Intestinal Astringent—Diarrhea .....	.60	.65
Sergeant's Laxative Capsules...	.60	.65
Sergeant's Liniment .....	.60	.65
Sergeant's Mange Medicine .....	.65	.75
Sergeant's Mouth Wash .....	.60	.65
Sergeant's Nerve Sedative—		
Running Fits .....	.60	.65
Sergeant's Pine Oil Disinfectant .....	.50	.60
Sergeant's Pepsin Tablets .....	.60	.65
Sergeant's Puppy Worm Caps. ....	.60	.65
Sergeant's Skip Flea Powder...	.25	.35
Sergeant's Skip Flea Soap .....	.25	.30
Sergeant's Special Distemper...	1.20	1.30
Sergeant's Worm Capsules .....	.60	.65
Sergeant's Worm Liquid .....	.60	.65
Sergeant's Tape Worm Medicine .....	.60	.65
Sergeant's Cod Liver Oil Caps. ....	.60	.65

### "Tet" for Worms

#### Tetrachlorethylene

Tetrachlorethylene is endorsed by the U. S. Department of Agriculture as the safest known effective wormer for Dogs and Puppies. Prevents and cures Running, Barking Fits and Sore Mouth.

Box for large size dogs, \$1.00. Per box for small size dogs, \$1.00. Per box medium capsules, \$1.00, postpaid.

### Rhito Wormer

For expelling round and pin worms in dogs and puppies. It is pure, a vegetable preparation, therefore, safe and effective. 25c a box, postpaid.

### Rhito Laxative Pills

Should be given after all worm treatment in dogs and puppies. It makes the worm medicine more effective as it drives the worms out of the system. Per box, 25c, postpaid.

### Rhit-O Condition Pills

An alternative tonic for puppies and dogs of all ages; one or two pills three times daily will do wonders if your dog is in a weakened condition. Price, 25c a box, postpaid.

### Trip-El Worm Capsules

A sure remedy against Round, Tape and Hook Worms. It is safe, sure, and gets all kinds of worms at one treatment. Made in two sizes for Puppies, Cats and grown Dogs. Box, 35c; postpaid, 40c.

### Duplex Nail Nippers

Especially desirable for trimming dogs' toe nails, does the work quickly and without any pain to the dog. These nippers are very necessary to keep dogs from walking flatfooted; it puts them on their toes. Price, each, \$1.50; postpaid, \$1.60.

### Duplex Stripping Comb

Strips and trims any dog, gives a smooth even finish. Price, \$1.00; postpaid, \$1.10.

### Duplex Trimming Chart

A most complete chart tells you how to strip most all the long hair dogs. It's worth the price. \$1.00, postpaid.

### Glover's Dog Remedies

	Each	Post-paid
Glover's Antiseptic Mouth Wash .....	\$0.60	\$0.70
Glover's Canker Wash (For ears) .....	.60	.70
Glover's Comp. Sulphur Tablets .....	.60	.65
Glover's Condition Pills .....	.60	.65
Glover's Diarrhea Medicine .....	.60	.70
Glover's Digestive Pills .....	.60	.65
Glover's Expectorant Mixture .....	.60	.70
Glover's Eye Lotion & Eye Wash Powder .....	.60	.70
Glover's Fever Reducer for Distemper .....	1.00	1.10
Glover's Iron Tonic .....	.60	.70
Glover's Flea and Insect Powder .....	.35	.45
Glover's Kennel and Flea Soap .....	.25	.30
Glover's Laxative Pills .....	.60	.65
Glover's Liniment .....	.60	.70
Glover's Mange Medicine .....	.75	.85
Glover's Medicated Soap .....	.30	.35
Glover's Nerve Sedative, Fits .....	.60	.70
Glover's Round Worm Capsules .....	.60	.65
Glover's Round Worm Vermifuge .....	.60	.65
Glover's Sore Foot Medicine .....	.60	.70
Glover's Tape Worm Capsules .....	.60	.65
Glover's Tet. Capsules .....	.60	.65



### Dog Accessories

Dog Collars—10c to \$1.00.  
Dog Harness—50c to \$1.85.  
Dog Sweaters—\$1.00 to \$1.60.  
Rubber Mice—10c and 15c.  
Catnip Mice—Cloth or Rubber, 15c.  
Chocolate Scented Rubber Bones, 25c.  
Metal Combs—75c; 85c; 95c.  
Small Locks for dog collars, 15c.



### Pulvex Worm Capsules

The New Wormer that expels round, hook and tapeworms in a single treatment. Both for puppies and dogs. Box, 75c, postpaid.

### Pulvex Dog Soap

At last a dog soap that oils, tones, grooms, kills fleas, deodorizes, cleans all in one operation. It's the only 6-use dog soap. 50c box, postpaid.

### Pulvex

Kills fleas, safe and effective. 2 oz. cans, 50c; by mail, 55c. 12 oz. cans, \$1.25; by mail, \$1.35.

### Pulvex Dry Cleaner

Removes doggy odor, kills fleas; applied dry, easy to use, grooms the hair beautifully. 1 oz. cans, 50c; by mail, 55c.

### Kur-Mange

Fine for the dog's coat. Cures skin diseases. 4-oz. can, 75c; by mail, 85c.

### Sopex

Destroys lice and fleas and cleanses the animal. 4 oz. can, 75c; by mail, 80c.

### Extermo

Kills quickly flies, fleas, lice, ants, roaches, etc. Will not stain. 1/2 pt., 25c; pt., 40c; by mail, 10c; 60c.

### Q. W. Dog Remedies

These well-known dog medicines are preferred by many kennel owners because they give results:

	Each	Post-paid
Q. W. Breeding Tablets .....	\$1.25	\$1.35
Q. W. Cod Liver Comp. ....	.95	1.10
Q. W. Condition Powder .....	1.00	1.05
Q. W. Constipation Pills .....	.65	.70
Q. W. Cough Mixture .....	.65	.75
Q. W. Diarrhoea Remedy .....	1.25	1.30
Q. W. Diserol, for Distemper...	2.00	2.10
Q. W. Dog Soap .....	.35	.40
Q. W. Ear Canker Lotion .....	1.25	1.30
Q. W. Eye Salve .....	1.00	1.05
Q. W. Fit Tablets .....	.95	1.05
Q. W. Flea Oil, Coat Dressing ..	.65	.75
Q. W. Flea Powder .....	.50	.60
Q. W. Healing Salve .....	.65	.75
Q. W. Liniment .....	.75	.85
Q. W. Sulphur Compound .....	1.00	1.05
Q. W. Mange Lotion .....	1.00	1.05
Q. W. Rheumatism Tablets .....	.65	.70
Q. W. Tapeworm Mixture .....	1.00	1.05
Q. W. Tonic .....	.65	.75
Q. W. Verminol .....	.75	.85
Q. W. Worm Capsules .....	.65	.70
Q. W. Worm Mixture .....	.65	.75
Q. W. Insect Powder, Fleas....	.50	.55

### Delcreo Dog Remedies

The Delcreo Dog Remedies are accepted and endorsed by the leaders of the kennel world.

Delcreo—For Distemper and Black Tongue:	Each	Postpaid
1 oz. bottle .....	\$1.50	\$1.60
16 oz. bottle .....	5.00	5.25
Delcreo Tonic, 2 oz. bottle...	.75	.85
Delcreo Cod Liver Oil, 4 oz. ....	.30	.40
Delcreo Cod Liver Oil, qt. ....	1.00	1.15
Delcreo Laxative .....	.35	.45
Delcreo Sulfminol .....	.50	.60
Delcreo Worm Capsules—		
Puppy size .....	.40	.45
Dog size .....	.40	.45
Delcreo Sulphur Compound ...	1.00	1.10



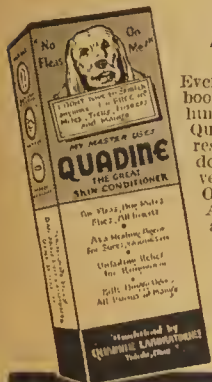
# QUADINE

**FOR FLEAS, MITES,  
TICKS—ALL INSECTS  
RELIEVES ECZEMA**

Quadine is an anti-parasitic for fleas, mites, ticks, and insects of all kinds. As an antiseptic it soothes and heals cuts, wounds, scratches, burns, bruises, sores, ulcers, canker ear. Also, as a fungicide, Quadine relieves ringworm and prevents reinfection if both dog and his environment are regularly treated. Having a pleasing odor, Quadine serves as an excellent deodorizer for both dogs and kennels. Safe, easy, and convenient to use. A non-mussy, volatile oil that penetrates to affected areas without injury to tissues. Safe for puppies. Good for bleeding and cropped tails; also for broken tails.

## PRaised BY AUTHORITIES

Every user is a Quadine booster. Our files contain hundreds of letters praising Quadine and its amazing results. Endorsed by such dog experts as Fred Streever, National Sportsman; Ozark Ripley, Sports Afield; Harbison, Vogue and House & Garden; Davis, Hunting & Fishing; Spencer, The Spur; Cohen, Dog Health; Will Judy, Dog World; and many kennel owners and veterinarians.



**No Mange - Eczema - Sores  
Vermin - Cuts - Ringworm  
No "Doggy" Odor**

## SPECIAL Q-D. No. 10 SPRAYER Easy—Tireless—Convenient

New one-hand sprayer especially designed for easy and economical application of Quadine. Works with one hand. Leaves other hand free to hold dog. This precision tooled atomizer is made by DeVilbiss, makers of the world's finest atomizers.

The Q-D No. 10 Sprayer works by air pressure, making a very fine spray—making Quadine last longer and go farther. Easy, tireless to operate. Made of finest materials. Fully tested, proved, and guaranteed. Special Paddle Hair-Lifter lifts hair as you spray, getting Quadine right down to skin and hair roots. No waste. Paddle is detachable, leaving plain nozzle for treating small areas such as ears, nose, and throat.

Special introductory price, Q-D No. 10 Sprayer and FREE \$1.00 Trial Bottle of Quadine **\$3.50**

# QUADINE

**THE ALL-PURPOSE  
DOG SKIN REMEDY**

For years manufacturers have been searching for an all-purpose dog skin and hair preparation. Quadine is the answer. It is a four-in-one product having combined efficiency for insects, mange mites, lice; cuts, burns, wounds; ringworm; and deodorant.

## JUST SPRAY IT ON

Simple and easy to use. With Special Q-D No. 10 Sprayer a dog can be completely treated in a few minutes. Just spray it on. Quadine does the rest. It seeps and creeps to cover the body.

## OTHER QUADINE USES

Quadine is also unusually effective and safe for human treatment of ringworm ("Athlete's Foot"). It heals cuts, scratches, and minor wounds. Also effective for skin sores, mosquito bites, bee stings, insect bites, crabs, mosquito preventative, ants, moths, chiggers, lice, bed bugs. Also good for dandruff. Effective deodorant for closet bowls and bathrooms.

## TESTED AND PROVEN

Before being placed on the market, Quadine was thoroughly tested for one year in a living dog laboratory. The great public acceptance and acclaim given it since being placed for sale is convincing evidence of the quality of the product. It actually does what we claim it will do. What's more, it's economical to use. So little does so much and goes so far.

# QUADINE MAKES THE "TOP HAT DOG"

PRICES:		By Mail
• 2 Oz. Trial Bottle Quadine.....	\$ 0.60	\$ 0.70
• 4 Oz. Bottle Quadine.....	1.00	1.10
• 12 Oz. Bottle of Quadine.....	2.00	2.15
• 1/2 Gal. Can (61 oz.) Quadine.....	6.50	6.75
• 1 Gal. Can (128 oz.) Quadine.....	10.00	10.35
• 5 Gal. Can (640 oz.) Quadine.....	37.50	....

## Kaempfers, Big Kernel Bird Foods

A canary belongs in every home. Use Kaempfer's, it is best for birds since 1857.

### Big Kernel Bird Seeds

Triple Air Washed, a quality product.

Fancy Selected, 16 oz. pouring spout can, 25c; postpaid, 35c.

Fancy Selected, with Yeast Kernels, 7 oz. box, 10c; postpaid, 20c.

Twelve Seed Mix, with Yeast Kernels, 8 oz. box, 15c; postpaid, 25c.

### Big Kernel Birdolene

The premier Song Restorer, helps to maintain the Canary in song and health.

Contains all the ingredients to keep the birds in the best condition. Gives them a change in diet which is stimulating.

3 oz. carton, 20c; postpaid, 25c.

### Big Kernel Vitolene

This is the Cod Liver Oil Canary Food with Viosterol and especially good to feed during the moulting season.

3 1/4 oz. bottle, 20c; postpaid, 30c.

### Big Kernel Canary High Ball

Promotes exercise and keeps Canaries in good health, contains Cod Liver Oil, Yeast and Honey, supplying the Vitamins so necessary to the Canary's welfare. Each, 10c; postpaid, 15c.

### Big Kernel Gravel

Ocean Gray, Washed and Sifted.

32 oz. pouring spout can, 15c; postpaid, 30c.

### Big Kernel Gravel Paper

10 inch Gravel Paper, dozen sheets, 15c; postpaid, 25c.

11 inch Gravel Paper, dozen sheets, 15c; postpaid, 25c.

## Bird Supplies



### Big Kernel Canary Kit

Contains everything the canary needs.

1 pkg. each of Bird Seed, Bird Gravel, Birdolene, Canary Highball, Birdolene Cup, Special Cattle Bone and Booklet "Care of Canaries." Price 60c; Mailed, 80c.

### Big Kernel Special Food and Remedies

Postpaid

B.K. Bird Nesting (White), pkg. 10c....12c

B.K. Bird Tonic Liquid, bottle 20c.....25c

B.K. Color Food, Brightens Plumage, pkg. 25c.....35c

B.K. De Luxe Song Restorer, jar 25c.....35c

B.K. Egg Food Concentrated, 15c.....25c

B.K. Insect Destroyer, box 10c.....14c

B.K. Mating Food, 25c.....35c

B.K. Moulting Food, pkg. 20c.....25c

B.K. Nestling Food, pkg. 15c.....20c

B.K. Oyster Shell Charcoal Blend, pkg. 10c.....15c

B.K. Parakeet Seed, 16 oz. pkg. 25c.....35c

B.K. Parrot Food, 12 oz. pkg. 20c.....30c

B.K. Tiug-A-Ling Cage Bells, each 15c....20c

## Big Kernel Booklets

The care, treatment, and breeding of Canaries. Free on all purchases of Big Kernel Bird Preparations.

## Eight-In-One Health Song and Vigor Restorer

A quick relief for colds and loss of song and moulting out of season in canaries. 3 oz. bottle, 25c; by mail, 35c.

## Bird Seed

	Lb.	Post-paid
R.-H. Co.'s Mixed Canary.....	\$0.15	\$0.25
R.-H. Co.'s Mixed Canary, 10 lbs. ....	\$0.90	1.15
R.-H. Co.'s Bird Hemp.....	.10	.20
R.-R. Co.'s Bird Rape.....	.15	.25
R.-H. Co.'s Bird Millet.....	.10	.20
R.-H. Co.'s Plain Canary.....	.15	.25
R.-H. Co.'s Sunflower Seed.....	.15	.25
French Bird Seed, 10 oz. pkg..	.15	.25

## Goldfish Food

	Pkg. Each	Post- paid
Aquarium Fish Food.....	\$0.10	\$0.15
Wafer Fish Food.....	.10	.15
Tropical Fish Food.....	.15	.20
Turtle Food.....	.15	.20

## Cuttle Fish Bones

Loose, 2 for 5c; lb., 50c. By mail, 2 for 10c; lb., 60c.



# R.-H. Co.'s Chick and Poultry Feeders

## R.H. Co.'s Winner Chick Trough



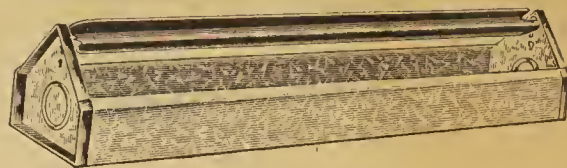
Equipped with balanced reel blade, red enameled and adjustable for different size chicks. One piece die stamped  $1\frac{1}{2}$  inches deep;  $2\frac{1}{2}$  inch bottom width, 4 inch top width. The trough has feed saving curved lip for chick safety and feed economy.

No. 101—Feeder, 10 in. long, each, 10c; by mail 20c.

No. 105A—Feeder, 18 in. long, each 15c; by mail 30c.

No. 106A—Feeder, 24 in. long, each 20c; by mail 35c.

## R.H. Co.'s Perfection Chick Trough



Will feed day old or 8 weeks old chicks. A real purpose square bottom feeder at a low price. Made of heavy 26 gauge galvanized steel, 4 inches wide and 2 inches deep; turned flange along trough edges prevents feed waste.

No. 342—24 in. long.....Each, 35c; by mail 45c

No. 343—36 in. long.....Each, 45c; by mail 60c

No. 344—48 in. long.....Each, 55c; by mail 95c

## R.H. Co.'s Buttermilk Trough



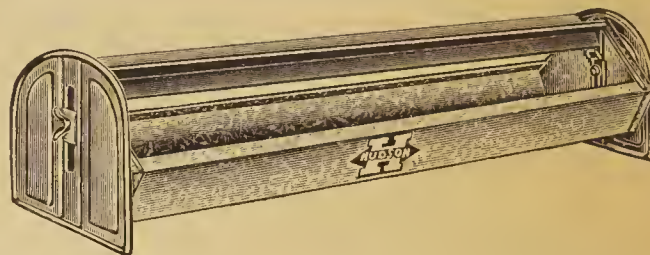
New popular priced feeder or waterer for Buttermilk, Medicine, feed or water.

Four blade red enameled reel adjustable to two positions.

One piece die formed trough, heavy charcoal tin; 24 inches long, full  $1\frac{1}{2}$  inch deep,  $2\frac{1}{2}$  inches at bottom and 4 inches at top.

No. 224—Feeder, 24 inch, each, 40c; by mail 60c.

## R.H. Co.'s Combination Chick Feeder



This new feeder with its adjustable metal stands and the movable four blade balanced red enamel reel is designed to take care of chicks from one day old to well past the broiler stage.

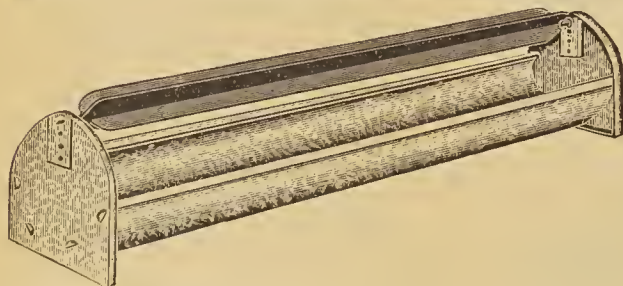
The feeder may be raised from week to week as chicks grow; with feeder and reel at top position, this is an ideal outfit for broilers.

Feed Trough is  $2\frac{1}{4}$  in. deep, 5 in. wide at bottom,  $4\frac{1}{4}$  in. wide at top with  $\frac{3}{4}$  in. feed saving lip, all edges are folded or curled.

No. 536—Feeder, 36 in. long, each, 75c; by mail \$1.05.

No. 548—Feeder, 48 in. long, each, 95c; by mail 1.30.

## R.H. Co.'s Growing Chick Feeder



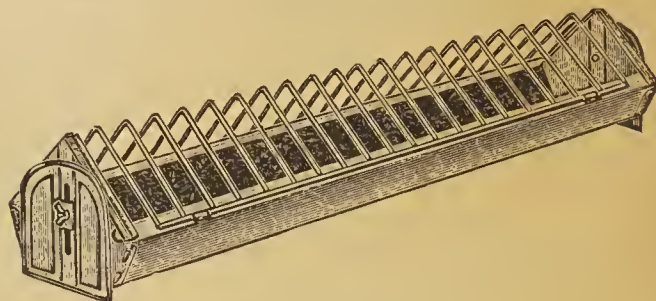
A new and improved feeder with round bottom trough, suitable for day old or six weeks chicks. New 4 blade reel is red enameled and adjustable to 4 positions on shouldered pins for instant spinning, therefore prevents chicks from getting into the trough when adjusted properly.

No. 324—Feeder, 24 in. long, each 35c; by mail 50c.

No. 336—Feeder, 36 in. long, each, 45c; by mail 65c.

No. 348—Feeder, 48 in. long, each, 60c; by mail 85c.

## R.H. Co.'s Dandy Broiler Feeder



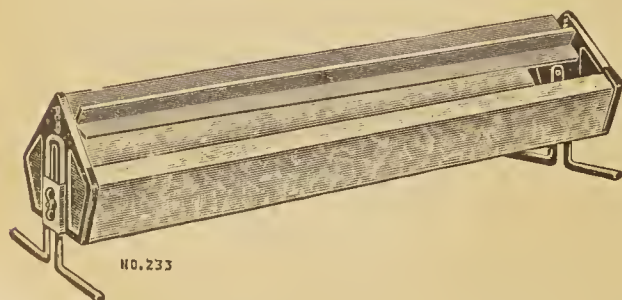
Excellent for growing chicks and finishing broilers. Accommodation for the growing birds is made by raising stands as chicks get larger. One wing nut sets the adjustment up to  $2\frac{1}{4}$  inches above floor level.

The galvanized trough is of extra heavy steel, large capacity,  $6\frac{1}{2}$  inches at top, 3 inch depth with full 1 inch feed saving lip, no rough edges to injure chicks. The hinged grill makes cleaning and filling easy; Grill wires spaced  $1\frac{1}{2}$  inches apart.

No. 730—Feeder, 30 in. long, each, \$0.95; by mail \$1.25.

No. 748—Feeder, 48 in. long, each, 1.35; by mail 1.70.

## New Gro-Fast Feeder

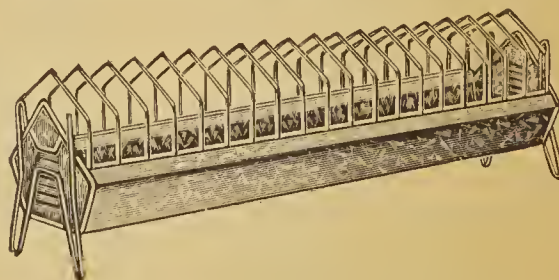


NO. 233

Has adjustable revolving reel and adjustable legs. The all purpose feeder for chicks or broilers.

No. 233—36 inches long, capacity 7 qts. each, 95c; by mail \$1.25.

## R.H. Co.'s O.K. Broiler Feeder



Made with metal guard and adjustable reel, both are on adjustable stand. These feeders can be used for chicks from 3 weeks old to pullet size, also for turkeys.

No. 3942W—42 in. long with wire guard, each, \$1.35.

By mail add 30c each.



R.-H. Co.'s Chick and Poultry Fountains

Glass Pan Fountain

The drinking dish or saucer is made of heavy molded glass and the mason jar is held in position with a metal clip, which snaps on the dish and is easily removed for filling or cleaning. A clean, safe fountain for buttermilk, sour milk, remedies, etc. Diameter of dish, 6 in.



No. 1365G with Legs. Each, 15c; 2 for 25c. By mail, each, 25c; 2 for 40c.

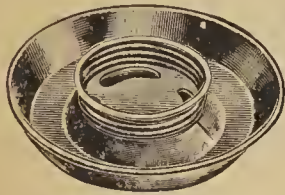
No. 365G—Glass Fountain without extension legs. Each, 10c. By mail, each, 20c.

No. 167G—Same as above, excepting it is made of heavy galvanized metal instead of glass. Price with leg extension, each, 15c; two for 25c. By mail, each, 25c; 2 for 40c. Glass Mason Jars not furnished.

Mason Jar Fountain

Constructed so that plenty of water is always in the pan. Pan will not overflow. Fits standard mason jar. We do not furnish the jars.

No. 69—Fountain Holder. Galvanized, Screw Type. Each, 10c; 3 for 25c. By mail, each, 20c; 3 for 40c.



No. 67 For Buttermilk or Medicine

Bright charcoal tin—acid and weather-proof. For feeding medicine and milk. Clitype. Each, 15c; 2 for 25c. By mail, each, 25c; 2 for 35c.

Star Fountain

No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason jar.

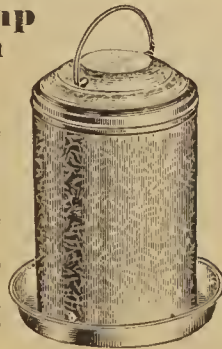
Price of holder, without jar: No. 32, galvanized. Each, 8c; 4 for 25c. By parcel post, each, 15c; 4 for 40c.



New Style Snap on Fountain

This is a real improvement in Chick Fountains. It has three lugs spot welded to the pan, form a friction contact which holds the tank and pan together. It is easy to fill and has a convenient wire bail for carrying.

No. 81—1 gallon size, ea., 60c; mailed, 80c. No. 82—2 gallon size, ea., 80c; mailed, \$1.00.



New Gem Chick Fountain

This excellent, practical and inexpensive fountain has a cone top on which chicks cannot perch. The can snaps firmly to the drinking pan and can be carried by the top handle when filled without danger of spilling. Easy to fill and keep clean. The pan is 10 inches in diameter, extra heavy and fluted design, giving chicks easy access to water without crowding. No. 158—1 gallon size, ea., 50c. No. 159—2 gallon size, ea., 75c.



Postage 20c; each extra.

Banner Fountain



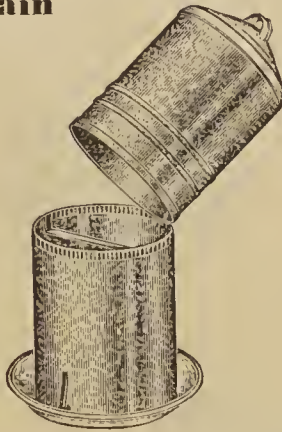
Suitable for chicks or growing fowls. A fine two piece, strong practical fountain with cone top, easy to fill and clean.

No. 276—2 gal. size, each, 90c.

No. 277—3 gal. size, each, \$1.20.

By mail, 30c each extra.

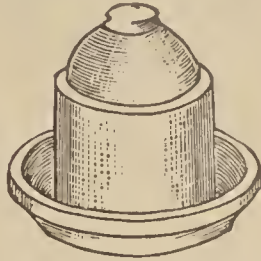
The Dandy Double Wall Fountain



This new double wall fountain is top filled, keeps water cool in summer and retards freezing in winter. It operates on the vacuum system. No corks and no valves, easy to clean or fill; out can locks to inner can so it may be carried by handle when filled. Die drawn sloping top, prevents roosting. The drinking pan is seamless die drawn with smooth rolled edges. It is made of very heavy 26 gauge galvanized steel, sturdy and substantial. Can be used for hens or chicks.

Price No. 192—2 gal. size.....\$1.15  
Price No. 93—3 gal. size..... 1.40

Stoneware Fountains

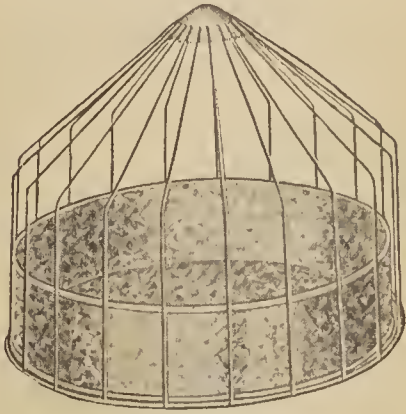


Made in two parts, the saucer being separated from the upper portion so it can be easily cleaned. These stoneware fountains are the best to have when using any medicine.

No. 1—For water only. 1 qt., 30c; 2 qt., 45c; 4 qt., 60c.

No. 2—For Buttermilk. 2 qt., 45c; 4 qt., 60c.

Extra Saucers.  
For 1 qt. Fountains. Each, 15c.  
For 2 qt. Fountains. Each, 15c.  
For 4 qt. Fountains. Each, 20c.



Pans and Guards for Feed or Water

Made in two sizes for growing chicks or hens, and they also make a splendid feeder for Pigeons as they save the wasting of the feed. The pans have wire bound top and lock seam soldered bottoms, guaranteed water-tight.

The wire guards are stiff and made rigid with steel cone top. The guard prevents crowding when feeding and also avoids contamination of the drinking water.

PRICES COMPLETE AS ILLUSTRATED

No. 6140—Pan and No. 614 Guard, 95c; mailed, \$1.15.

No. 6170—Pan and No. 617 Guard, \$1.10; mailed, \$1.40.

PRICES OF PANS ONLY

No. 6140—14 in. diameter, 4 in. high. Ea., 55c; by mail 70c.

No. 6170—17 in. diameter, 4 in. high. Ea., 65c; by mail, 85c.

PRICES OF WIRE GUARDS ONLY

No. 614—To fit No. 6140 pans. Ea., 40c; by mail, 65c.

No. 617—To fit No. 6170 pans. Ea., 45c; by mail, 70c.

Automatic Fountain

Can be attached to iron pipe, barrel or tank; insures a continuous supply of fresh water.

No. 30. Without pan, 85c; by parcel post, 95c.





### Glass Cloth



Glass Cloth is excellent for Brooder Houses, Hotbeds, Cold Frames, Windows, etc., and is a substitute for glass, except for roofing. Glass Cloth comes 3 feet wide.

Piece, 5 yds. long, \$1.20; mailed, \$1.40  
 Piece, 10 yds. long, 2.20; mailed, 2.50  
 Piece, 15 yds. long, 3.00; mailed, 3.35  
 Piece, 50 yds. long, 9.50; mailed, 10.00

### Cardboard Egg Cartons



Doz., 30c; 100, \$1.45.

These are intended for delivering eggs to consumers. Hold one dozen each; has two rows, six eggs each. Doz., 20c; 100, \$1.10; 500, \$5.00. Mailed,

### POULTRY LEG BANDS "Bandettes"



25 for 60c; 100 for \$1.75, postpaid.

Bandettes are strongly made, the numbers are indestructible, being impressed in bold type. Bandettes come in the following colors: Red and green for Leghorns, Rocks or Reds; also White Wyandottes with our selection of numbers.



Large Raised Figures

These are adjustable to fit any size fowl. Numbers 1 to 300. Light in weight, made of aluminum. Doz., 15c; 25, 25c; 100, 60c, postpaid.

### Colored Celluloid Leg Bands

These slip on like a key ring—white, black, green, blue, and red. Made in all sizes. When ordering, state what breed, size and color you want them. Hen size, doz., 15c; 50, 35c; 100, 60c. Pullet Size, doz., 10c; 50, 30c; 100, 50c. Chick Size, doz., 10c; 50, 25c; 100, 40c.



### Coloroid Chick Bands

Can be used several times. Orange, black, white, dark green, red. Not numbered. 25 for 15c; 100 for 35c, postpaid.

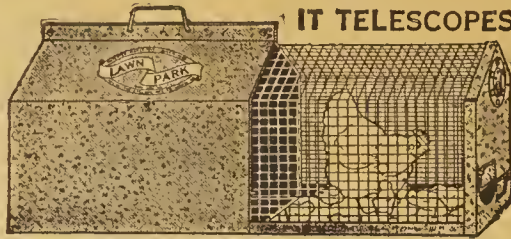
### Baby Chick Shipping Boxes

50 Chick Box. Doz., \$1.00; mailed, \$1.40.  
 50 Chick Box. 100 for \$8.00, f.o.b. Memphis.

### Brooder Wicks

All sizes, cotton and red felt, each...\$0.05  
 Two sizes, asbestos, each... .20  
 Two sizes, Kerogas, each...\$0.40 .65

### The Lawn Park Brood Coop



IT TELESCOPES

The wire park pulls out like bureau drawer and is made from heavy galvanized wire netting. Size of coop, 18 inches wide, 19 1/2 inches high, 48 inches long. Protects the chicks from hawks, rats, weasels, vermin, cold and storms. It is so ventilated that when park is pushed in the air circulates freely without admitting rain or snow. The coop has removable galvanized bottom. Each, \$2.75, set up, ready to use, f.o.b. Memphis. Lots of 6, K.D., f.o.b. factory, each, \$2.00.

### Nest Eggs



Prices as follows:

	Doz.	Parcel Post
China .....	\$0.30	\$0.40
Wooden .....	.40	.50
Lice Expelling.....	.65	.75

### Poultry Punches

These are made for marking baby chicks by punching a hole between the toes.

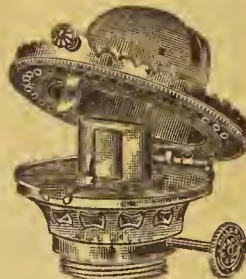
	Postpaid
Pocket size Punch.....	\$0.20
Moe's No. 39 Ideal Punch.....	.35

### Galvanized Pigeon Nest



A good safe nest. One nail holds them in position. Each, 15c; postpaid, 25c.

### Brooder Lamp Burners



No. 1. Each, 35c; by parcel post, 45c.  
 No. 2. Each, 45c; by parcel post, 55c.  
 No. 3. Each, 55c; by parcel post, 65c.  
 No. 214. Double Burner. Size No. 3. Each, 75c; by parcel post, 85c.

### Brooder Chimneys

Lamp chimneys for Incubators and Brooders. No. 2 Chimneys, each, 20c; by parcel post, 30c. No. 3 Chimneys, each, 20c; by parcel post, 30c.

### Philadelphia Caponizing Set

One of the chief advantages of caponizing is that it makes the fowl grow faster, the meat sweeter. The operation is very simple, and instructions are furnished with each set. \$2.50 each, postpaid.

### Thermometers

No. 129—8 1/2-inch Half round Brooder Thermometer, each, 50c.  
 No. 127. 4 1/2-inch flat metal for brooders, 50c.  
 No. 125. Tyco's Incubator Thermometer, 75c.  
 By parcel post, add 10c each.



### Thermostat Wafers



Double units with solid post between, making each wafer independent of the other. Accurate and durable.  
 Fits all brooders. Price, 3-inch double thermostat, each, 25c; postpaid, 35c.

### Smoke Pipe for Brooders

No. 114. Black, 2-foot lengths. 4-inch, each, 20c; 5-inch, each, 25c.

### Smoke Pipe Top Cap

Chimney Cap for Moe's No. 440 Roof Saddle or other Brooder Stove Pipes. Keeps out rain and snow and improves the draft.

No. 441. Chimney Cap for 4-in. pipe. Each, 35c.  
 No. 445. Chimney Cap for 5-in. pipe. Each, 40c. Mailing, 15c each extra.

### Roof Saddles for Brooder Pipe

Moe's No. 410. 4-inch Roof Saddle, without cap. \$1.35.

Moe's No. 411. 5-inch Roof Saddle, without cap, \$1.45. Mailed, 25c each extra.



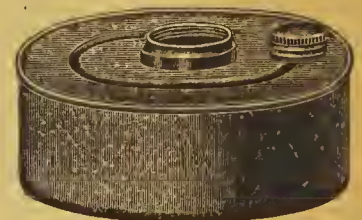
### Corrugated Elbows

3-inch, each .....\$0.10  
 4-inch, each ..... .15  
 5-inch, each ..... .15

### Pipe Collars

No. 117. Pipe Collars. 6x4, 6x5. Each, 10c.

### Brooder Lamp Bowls



	Each	Post-paid
No. 1. Bowls.....	\$0.50	\$0.60
No. 2. Bowls.....	.60	.75
No. 3. Bowls.....	.75	.90

### Dandy Egg Tester

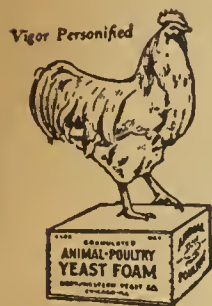
Will test eggs accurately for all purposes. Each, 25c; mailed, 35c.

### Phen-O-Sal Tablets

Should be put in the drinking water every week. They are dependable for fowls of all ages. 50 tablets, 50c; 125 tablets, \$1.00. Postpaid, 60c and \$1.10.



# R.-H. Co.'s Poultry Remedies



**ANIMAL-POULTRY YEAST FOAM.** Makes Chicks grow fast, prevents diseases. 12 oz. pkg., 50c; 4 lb. box, \$1.00, Postpaid, 60c; \$1.15.

**AVICOL.** Prevents and cures White Diarrhoea in chicks and grown fowls. 50c and \$1.00 boxes, postpaid.

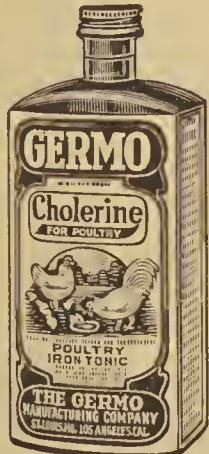
**BEE DEE POULTRY AND STOCK POWDER.** A medicine for poultry and stock. 25c and 50c boxes. Postpaid, 30c and 60c.



**BLACK LEAF 40.** Kills poultry lice by painting it on the roosting poles. 1 oz. bottle, 35c; 5 oz., \$1.00; 1 lb., \$2.25; 2 lbs., \$3.25; 5 lbs., \$5.85; 10 lbs., \$10.60. Postpaid: 1 oz., 45c; 5 oz., \$1.10; 1 lb., \$2.35; 2 lbs., \$3.40; 5 lbs., \$6.15; 10 lbs., \$10.90.

**BLACK LEAF 40 WORM POWDER.** A flock treatment for all worms in poultry. 100 dose size, 75c; 600 dose, \$2.90, postpaid.

**BLACK LEAF 40 WORM PELLETS.** The single or individual treatment for round worms in poultry; safe and effective. Doz., 20c; 100, 90c; 1,000, \$6.50, postpaid.



**CREWOOD OIL.** Kills mites and lice in the poultry house, termites and flying ants in houses. Qt., 40c; gal., 90c; 5 gal., \$2.50; 10 gal., \$4.50; drum, 50 gal., \$17.00. Can't mail.

**CHOLERINE.** Tonic and Conditioner. Cures Cholera and bowel trouble in chicks and hens. 8 oz. bottle, 35c; postpaid, 45c. 16 oz. bottle, 65c; postpaid, 75c. Qt. bottle, \$1.00, 1 gallon bottle, \$2.50.



**DON SUNG.** A tonic that makes hens lay. Box, 45 tablets, 50c; box, 135 tablets, \$1.00, postpaid.

## Dr. Salsbury's Poultry Remedies

Ask for Circulars

**AVI TABS.** Flock worm treatment. 60c; and \$1.00, postpaid.

**AVITONE.** Prevents worms in chicks. 2 lbs., 75c; 6 lbs., \$2.00. Postpaid, 90c; \$2.15.

**CAMPHOSAL.** For Roup in poultry. \$1.00 and \$1.50 sizes. Postpaid, \$1.10 and \$1.65.

**PHENOSAL.** For bowel trouble in chickens and turkeys. 50c and \$1.00 sizes. Postpaid, 60c and \$1.10.

**RAKOS.** For Coccidiosis in chicks. Pint, \$1.25; postpaid, \$1.40.

**STOP PICK.** Prevents toe and vent picking. 2½ oz. tube, 25c; mailed, 30c; 6 oz. can, 50c; postpaid, 60c.

**SALSBUARY'S ROUP BACTERIN.** 60 dose, 75c; postpaid, 85c.

**SALSBUARY'S CHOLERA BACTERIN.** 60 dose, 75c; postpaid, 85c.

**SALSBUARY'S FOWL POX VACCINE.** 100 dose, 75c; postpaid, 85c; 500 dose, \$3.25; mailed, \$3.35.

**FLEISCHMAN'S YEAST.** A tonic and conditioner. Keeps poultry in perfect health. 3½ oz., 25c; ½ lb. can, 50c; 1 lb., 85c; 5 lbs., \$3.50. By mail 35c, 60c, 95c, \$3.70.

**GERMO CARBOLINE.** For disinfecting poultry houses. 8 oz. bottle, 30c; postpaid, 40c.

**GERMO FORM.** Cures and prevents colds in chickens. 8 oz. bottle, 50c; postpaid, 60c.

**GERMO POULTRY HOUSE HEALTH PAINT.** Kills lice and mites. ½ gallon can, 90c; postpaid, \$1.15.

**GROUP OVER.** The over-night roup remedy. Gives quick results. 50c-\$1.00 bottles. Postpaid, 60c, \$1.10.

## Dr. Hess Remedies

**DR. HESS CHICK DIARRHOEA TABLETS.** 25c and 50c sizes, postpaid.

**DR. HESS ROUP TABLETS.** 25c, 50c sizes, postpaid.

**DR. HESS LOUSE KILLER.** Lb. box, 25c; postpaid, 30c.

**DR. HESS WORM POWDER.** 50 dose size, 50c; 100 dose, 90c; 250 dose, \$1.90, postpaid.

**DR. HESS WORM TABLETS.** 40 tablet box, 50c, postpaid; 100 tablet box, \$1.00; 1,000 size, \$6.50, postpaid.

**DR. HESS PANAMIN POULTRY POWDER AND TONIC.** 1½ lb. pkg., 25c; postpaid, 35c. 3 lb. pkg., 45c; postpaid, 60c. 7 lb. pkg., 85c; postpaid, \$1.10. 15 lb. pkg., \$1.75; postpaid, \$2.20. 25 lb. pkg., \$2.50; postpaid, \$2.95.

**DR. HESS HEALING POWDER.** For sores and scales. 25c and 50c cans, postpaid.

**DR. HESS DIP AND DISINFECTANT.** 12 oz. bottle, 35c; qt. can, 60c; ½ gal. can, \$1.00; 1 gal. can, \$1.25. By mail, 12 oz., 45c; qt., 80c.

**KORUM.** Cures and prevents bowel trouble in chicks and turkeys. Used in the drinking water. 8 oz. bottle, 65c. Postpaid, 80c.

## Lee's Poultry Remedies

**LEE MULSION.** Fed in wet mash, it soothes and relieves coughs and simple Bronchitis due to colds in poultry. 12 oz. bottle, 90c, postpaid, \$1.00.

**LEE'S LICE KILLER.** Qt., 60c; ½ gal., 90c; gal., \$1.50. Postpaid, 75c, \$1.10, \$1.75.

**LEE'S VAPO-SPRAY.** Spray it in the air at night over the roosts to relieve coughs, colds, bronchitis in your poultry. Vapo-Spray is a simple, convenient, and effective remedy for all diseases of the air passages in chickens. Qt. can, 65c; by mail, 80c.

**LIME, HYDRATED FOR POULTRY HOUSE.** 10 lb. bag, 35c; 40 lb. bag, 50c. Cannot be mailed.

## Globe Poultry Remedies

**GLOBE FORMALDEHYDE SPRAY.** Sprayed in houses, helps to overcome cold, flu and bronchitis. 6 oz. bottle, 35c; 1 gallon, \$2.50; by mail 50c, \$2.95.

**GLOBE POULTRY TONIC.** A real conditioner and egg producer. Can be used to fatten them. 6 oz. bottle, 35c; by mail, each, 50c.

**GLOBE CARBO COL.** Kills mites and blue bugs. A wood preservative. One application will keep poultry houses free of vermin for six months. Half gallon, 90c; mailed, \$1.25; one gallon, \$1.75; mailed, \$2.20.

**GLOBE DIP AND DISINFECTANT.** A standard dip and deodorizer. Pint, 35c; qt., 60c; gallon, \$1.75; by mail, 50c; 90c; \$2.20.

**GLOBE MIXED BACTERIN.** For roup in poultry. 30 dose, 60c; 60 dose, 85c; 125 dose, \$1.60; 250 dose, \$3.00. By mail add 10c each.

Cholera Typhoid Bacterin prices the same as roup bacterin.

**GLOBE FOWL POX VACCINE.** For Chicken Pox and Sorehead in chickens and turkeys. 50 dose, 60c; 100 dose, 75c; 500 dose, \$3.25; by mail 70c; 85c; \$3.40.

**GLOBE R. T. TABLETS.** For tape round and Caecal worms in poultry and turkeys. Full strength tab., doz., 30c; 100, \$1.35. Half strength tab., doz., 25c; 100, \$1.00.



## NOPCO Cod Liver Oil

**NOPCO COD LIVER OIL.** Increases egg production, produces stronger chicks. Qt. can, 45c; 2 qts., 85c; gallon can, \$1.50. Postpaid, 60c, \$1.05, \$1.75.



**PRATT'S R. P. TABLETS.** Roup tablets that prevent and cure colds and Roup. 25c and 50c pkg., postpaid.

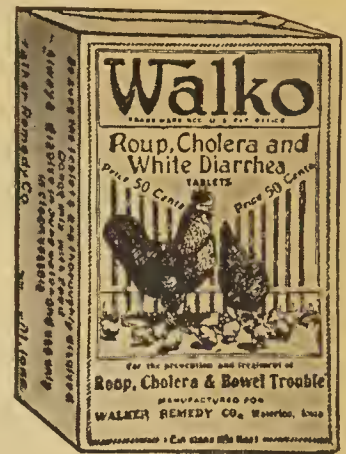
**PRATT'S INHALANT.** A flock treatment for colds in poultry. Pint, 60c; qt., 90c. Postpaid, 75c, \$1.10.

**PRATT'S HEALING OINTMENT.** For sores and cuts. Tube, 30c, postpaid.

**PRATT'S WORM POWDER.** A flock treatment for round and pin worms in poultry. 100 hen size, 60c; 500 hen size, \$2.00. Postpaid, 75c, \$2.20.

**PRATT'S LICE POWDER.** Kills poultry lice effectively and quickly. 25c box; postpaid, 30c.

**RAY-ZEM.** A real preparation for Turkeys. Prevents and cures Black Head, Roup, etc. 4 oz. can, 50c; 8 oz. can, \$1.00; 16 oz. can, \$1.50; 32 oz. can, \$2.00; ½ gal., \$3.75. By mail, 60c, \$1.10, \$1.65, \$2.20, \$4.00.



**WALKO DIARRHOEA REMEDY.** Cures and prevents White Diarrhoea in baby chicks. 50c and \$1.00 sizes, postpaid.

**WORM R. TABLETS.** Individual treatment for worms, in chicks. 200 tablet size, \$1.00, postpaid.



**POULTRY LITTER.** A perfect deodorizer. It absorbs odors, keeps poultry houses sanitary. 2 bu. carton, 75c; ½ bale, \$2.00; bale, about 20 bu., \$3.00. Cannot be mailed.

**SERVALL LITTER.** A dehydrated cane by-product; excellent litter for hen houses. Per bale, about 100 lbs., \$1.60.

## Pratt's Remedies



**PRATT'S CHICK TABLETS.** For White Diarrhoea. 25c and 50c size, postpaid.

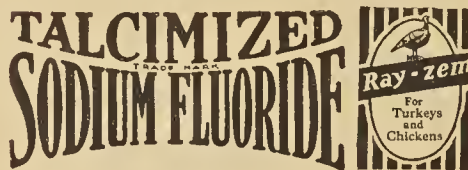
**PRATT'S DISINFECTANT.** For poultry houses, barns, etc. Pint, 35c; postpaid, 50c. Qt., 50c; postpaid, 70c. 2 qts., 85c; postpaid, \$1.10. Gallon, \$1.45; postpaid, \$1.80.



**PRATT'S N. K. CAPSULES.** This new Split Action worm capsule, containing both Kamala and Nicotone, is safe, sure and effective. Adult size. Doz., 25c; 50, 60c; 100, \$1.00; 1,000, \$8.50, postpaid.

Chick and Pullet size. Doz., 20c; 50, 50c; 100, 90c; 1,000, \$6.50, postpaid.

**PRATT'S POULTRY REGULATOR.** Increases egg production, a most satisfactory preparation. 1½ lb. pkg., 25c; 4 lb. pkg., 50c; 12½ lb. pkg., \$1.40; 25 lb. pail, \$2.75. Postpaid, 40c, 70c, \$1.65 and \$3.20.



**SODIUM FLUORIDE.** Sure death to lice on poultry, water bugs, ants, and roaches. 35c and 60c cans. Postpaid, 40c and 70c.

**RED STAR INSECTICIDE.** Sure death to gnats, mosquitoes, ants, roaches—won't stain. Qt., 60c; ½ gal., \$1.00; gal., \$1.75; 5 gal. can, \$6.00. Postpaid, 75c, \$1.20, \$2.00.



**THOUSAND DOLLAR REMEDIES.** \$1,000.00 Ant Bane, 35c-65c; \$1.25 can. \$1,000.00 Bed Bug Killer, 35c-65c. \$1,000.00 Roach Killer, 35c-65c; \$1.25 can. \$1,000.00 Flea Killer, 50c can. \$1,000.00 Moth Killer, 75c can. Postpaid, 10c each extra.

**TOBACCO POWDER, GOLD LEAF.** Use 2 lbs. to 100 lbs. of poultry mash to prevent worms in chickens. 2 lb. pkg., 25c; postpaid, 35c. 10 lb. pkg., 85c; postpaid, \$1.10.



**ZENOLEUM.** A wonderful disinfectant and germicide. 8 oz. can, 35c; postpaid, 45c. Pint can, 50c; postpaid, 65c. Qt. can, 75c; postpaid, 90c. ½ gal. can, \$1.25; postpaid, \$1.45. 1 gal., \$2.00; postpaid, \$2.25. 5 gal. can, \$7.00.

## Dr. Hess Fly Spray

A most efficient Fly Repellent; will not gum the hair or taint the milk. ½ gal., 85c; gallon, \$1.25; 50 gallon drum, \$35.00.



**GERMO FLY SHOO.** For live stock, cows, mules and horses only. Guaranteed satisfactory. 1 qt. can, 50c; ½ gallon can, 85c; gallon can, \$1.25.

**GERMO FLY NO MORE.** For household use. Will not stain. 8 oz., 35c; qt., 90c; gal., \$2.50.

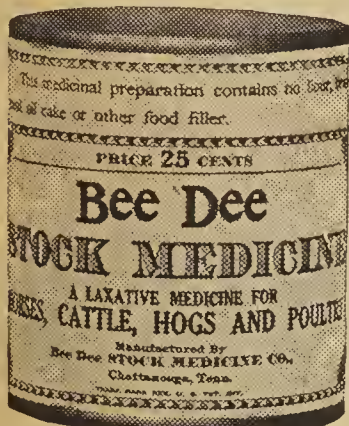
**FLIT HOUSEHOLD, FLY SPRAY.** ½ pt., 35c; pt., 50c; qt., 90c; gallon, \$2.50. Moth bag free on orders for one quart or more.



## Stock Remedies



**BAG BALM.** Cures udder trouble and caked bags in cows. Box, 60c, postpaid.



**BEE-DEE.** This is a real medicine for all stock. It will keep your animals in good condition and prevent diseases. 25c and 50c pkgs. Postpaid, 30c and 60c.

**DR. HESS SAPONIFIED CRESOL SOLUTION.** For general disinfectant of yards, barns and other premises in the eradication of tuberculosis. Approved by Bureau of Animal Industry. Gallon can, \$1.75.



**SALVET.** A worm destroyer, digester, and conditioner for sheep, hogs and other animals. 3 lb. pkg., \$1.00; 7½ lb. pkg., \$2.10; 15 lb. pkg., \$3.60. Postpaid, \$1.15, \$2.25, \$3.95.

**BLACKMAN'S MEDICATED SALT BRICK.** Fine for all stock; medicated salt. Brick, 25c; 5 bricks, \$1.00. Postpaid, brick, 40c; 5 bricks, \$1.25.



**DR. HESS UDDER OINTMENT.** For cows it is a wonderful preparation. Can, 50c, postpaid.



**KOW KARE.** A medicine and tonic for cows and cows only; aids digestion, increases the milk, keeps cows healthy. 65c and \$1.25 cans. Postpaid, 75c and \$1.40.



**DR. HESS STOCK TONIC.** 1½ lb. pkg., 25c; 3 lb. pkg., 45c; 5 lb. pkg., 65c; 15 lb. pkg., \$1.75; 25 lb. pkg., \$2.50; 100 lb. keg at store, \$8.50. Postpaid, 35c, 60c, 85c, \$2.00 and \$2.95.

**DR. HESS HOG SPECIAL.** 1½ lb. pkg., 25c; 3 lb. pkg., 45c; 7 lb. pkg., 85c. Postpaid, 35c, 60c, \$1.10.



**PRATT'S ANIMAL REGULATOR.** A conditioner and tonic for all live stock. Small pkg., 25c; med. pkg., 50c; 25 lb. pail, \$2.75. Postpaid, 35c, 65c and \$3.20.

**POKE ROOT (GARGET) COMPOUND.** For internal use to use in conjunction with Bag Balm in treating Garget, caked bag and similar udder conditions sometimes following Calving. 1¼ lb. can, 65c. Postpaid, 75c.



**SMOKE SALT-MORTONS.** Salts and smokes meat at one operation and gives the meat a perfect flavor. 2½ lb. can, 25c; 10 lb. can, 90c. Postpaid, 35c and \$1.15.

**MORTONS SAUSAGE SEASONING.** 3 oz. size, 10c; 10 oz. size, 25c. Postpaid, 15c and 35c.

**DEAM'S MEAT SMOKE.** After salting, use meat smoke on your meat. It is most satisfactory and dependable. Pt., 40c; qt., 75c. Postpaid, 65c and 95c.

## Rat and Mouse Destroyers

**COWLEY'S RAT AND MOUSE EXTERMINATOR.** This preparation is a scientific chemical compound, and is made in a way that attracts the rats and mice to drink it. This is the secret: They will drink it, and as it only requires a very small amount to kill, there is no telling how many can be killed in one night. Price 50c. Mailed, 60c.

**CYNOGAS.** Kills rats and moles by blowing the powder in their holes and runways in the ground. ½ lb. can, 45c; 1 lb. can, 75c; 5 lb. can, \$3.00. Not available.

**MOUSE SEED.** No mixing needed. The perfumed seed attracts and kills the mice that eat it. Box, 25c. Mailed, 35c.

**RAT TABS.** Needs no mixing. Simply roll out a tab. Box, 50c, postpaid.

**RED CROSS RAT AND MOUSE EM-BALMER.** A sure rat and mouse destroyer that does the work thoroughly without any odor. 25c, 50c and \$1.00 per can. Mailed, 35c, 60c and \$1.10.

**SANASEED.** A seed that kills mice without fail. Money back if it fails. Pkg., 15c. Mailed, 20c.

**TOP ZOL.** Prepared rat baits ready for instant use; do they like them, and how! It is non-poisonous to humans or pets. 15c per bag. Mailed, 20c.

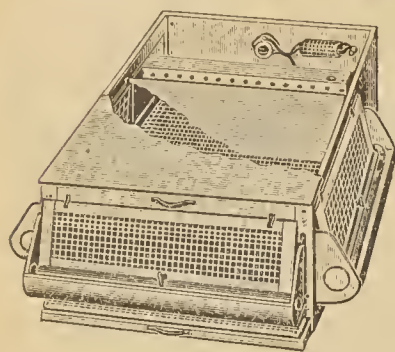
**ZELIO RAT POISON.** A powerful rat and mice destroyer. It acts slowly and the animal leaves the premises instead of dying in the hole. 2 oz. tube, 50c. Mailed, 60c.





## R.-H. Co.'s Brooders

### Gro-Ezy Electric Battery Brooder



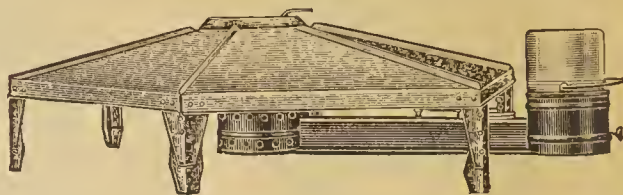
A sweeping success, a new Gro-Ezy Brooder with woven wire doors which admit more light, equipped with automatic thermostat heat control, long electric heating element, heavy curtains, heavy wire floors. Wide and deep troughs which do not waste feed and are adjustable; removable dropping pans, sanitary and easily cleaned.

Gro-Ezy Brooders should be operated in a room that is heated to 75 degrees with a good brooder or coal stove.

The operating cost of Gro-Ezy Electric Brooders is low, uses only about one kilowatt in 24 hours. Capacity from 70 to 100 chicks.

No. 801. Complete with woven wire door (as illustrated), heating element, feed and water trough, \$8.50.

### Sturdy Boy Blue Flame Oil Burning Brooder



A complete trouble free chick brooder, burns kerosene, has a giant five inch rigid brooder with automatic heat control, operated by a brass thermostatic wafer, with a new and improved heat equalizer that keeps chicks comfortable in any kind of weather at any location under the canopy.

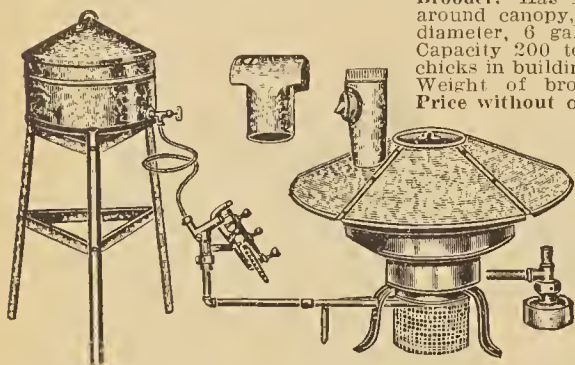
This smokeless and fumeless brooder is the best buy on the market, made in two sizes.

No. 842—42 inch canopy, 300 chick capacity.....\$10.50

No. 852—52 inch canopy, 500 chick capacity..... 11.50

### Hudson Silent Oil Burning Brooders

Equipped with Apex Hushed flame burner that is safe and quiet. Does not make any noise. A modern dependable heater for brooder houses; efficient, safe and reliable. No wicks or lighting rings are used, burns a hot intense blue-white flame and does not smoke. It has a wide range of heat with thermostatic control, easily adjusted for any weather. Burns ordinary distillate 38-40 fuel oil or burns kerosene oil if preferred.



Hudson No. 132 Silent Brooder. Has 4 sections around canopy, 32 inches in diameter, 6 gallon oil tank. Capacity 200 to 500 day-old chicks in building 10x12 feet. Weight of brooder 45 lbs. Price without oil tank stand,

\$11.50. Price with oil tank stand, \$12.45.

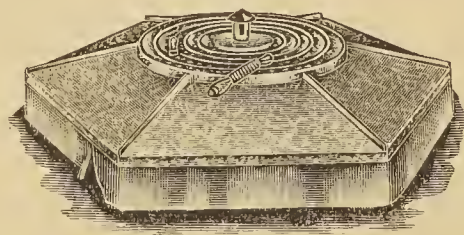
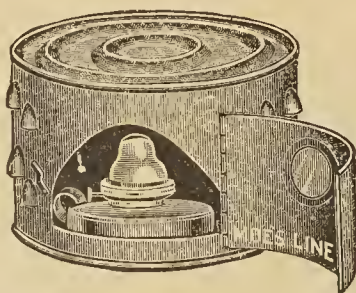
it will brood 300 to 600 chicks; weight brooder 55 lbs. Price without oil tank stand, \$13.75. Price with oil tank stand, \$14.70.

F.o.b. Memphis.

### Brooder and Fountain Heaters

These can be used in a small box and they will keep chicks comfortable and warm. Also good for preventing water fountain from freezing.

No. 10 — Oil Burning Heater, \$1.75; mailed, \$1.95.



### Advance Electric Brooder

Complete with cloth curtains, legs, heating element, automatic regulator, pilot light, heat deflector, thermometer and 8 ft. of drop cord.

No. 520—Oakes Advance Electric Brooder, 28 inch diameter, 100 chick capacity. 250 wattage. Weight, 30 lbs. \$7.50.

No. 521—Oakes Advance Electric Brooder, 48 inch diameter, 150 chick capacity. 450 wattage. \$9.25.

### R.H. Co.'s Save-All Electric Hover Brooder

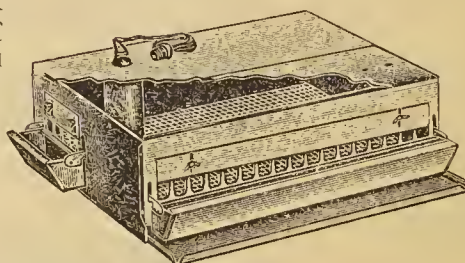
Just the right size for those who hatch or buy only a few chicks. It will take care of 100 or less, giving the same advantages as the large outfits.

It is heated with a light bulb using very little current so that if you brood only 25 chicks it is economical to use.

Galvanized canopy 24 inches in diameter, stamped out of one piece and corrugated to give it strength. Complete with bulb and extension cord, weight 8 lbs. Price, No. 24, \$2.25; by mail, \$2.60.



### Happy Chick Metal Box Brooder



Made entirely of galvanized steel. It is much superior to the paper box brooders, accommodates 60 chicks, size 18x22x6 inches high, complete with galvanized removable dropping pan, feed and water trough. Lid in two sections. Uses ordinary electric light bulb. The hardware cloth floor is of 1/2 inch mesh. It is ideal for starting small lots of chicks. 2 ft. electric cord. Electric bulb not furnished.

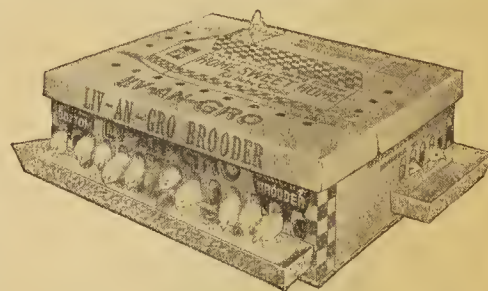
No. 375—All Metal Box Brooder, \$2.25; by mail, \$2.65.

### Liv-An-Grow Electric Brooders

A low-priced primary brooder, the box is made of strong fibre with a wire screen floor. It is also durable, waterproof, and equipped with feed and water pans. The outfit consists of Brooder Box, ten feet of electric cord, porcelain socket with terminal plug and a circulating drum to enclose the bulb. Electric light bulb is not furnished. Size of brooder 20 by 24 inches, 7 1/2 inches high.

Price without dropping pan, only \$1.85; by parcel post, \$2.15.

Rack with dropping pans for 6 brooders, without brooders, \$6.25.



### Poultry Litter

A perfect scratching material for baby chicks. A deodorizer, absorbent, disinfectant and labor-saving litter. It absorbs all the moisture from droppings. 2 bushel package, each, 75c; half bale, \$2.00; large bale, about 20 bu., \$3.00, f.o.b. Memphis.



# TOP NOTCH DAY-OLD BABY CHICKS

Top Notch baby chicks are hatched from good flocks, chicks that will live and grow if properly handled. Top Notch chicks are No. 1 grade from selected flocks, not hatched from promiscuous eggs. All chicks are shipped from the hatchery regularly every Monday and Thursday.

## ORDER EARLY

And book your chicks at least two weeks before you want them. In this way you will be sure to get chicks at the proper time and avoid disappointment.

## SHIPPING CHARGES PREPAID

All prices on baby chicks given below are postpaid anywhere in the U. S.



## The Chicks You Start Early

Are the most profitable. Don't delay, order today, avoid disappointment.

## 100% LIVE DELIVERY GUARANTEED

You will absolutely get full count and we guarantee 100% live delivery on our Top Notch quality chicks.

All orders are acknowledged promptly. Remit by Post Office or Express money order. Terms on baby chicks are cash to all. Prices subject to change.

## Top Notch "A" Quality Chicks

Our Top Notch "A" Quality Chicks are from selected pure bred birds produced from free-range flocks, thereby insuring strong, vigorous chicks. Recommended for broilers and general utility.

Prices prepaid for delivery Jan., Feb., March and April.

	25	50	100
Brown and White Leghorns.....	\$2.25	\$4.25	\$7.50
Barred, Buff and White Plymouth Rocks.....	2.50	4.50	8.00
Rhode Island Reds and White Wyandottes.....	2.50	4.50	8.00
Buff Orpingtons and Silver Laced Wyandottes.....	2.50	4.75	8.50
Heavy Assorted .....	2.25	4.25	7.50

## Top Notch "AA" Quality Chicks

Our Top Notch "AA" Quality Chicks are from highly productive flocks. All are officially blood tested and culled for the past five years, and chicks from these flocks will give finest results.

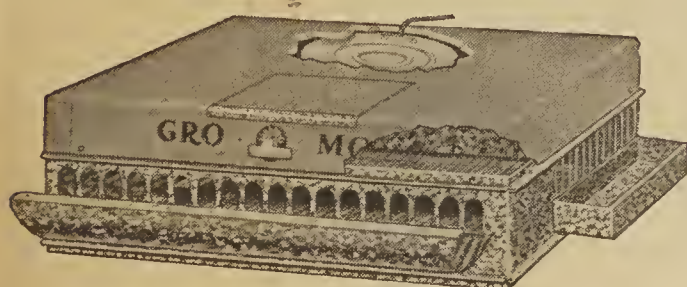
	25	50	100
Brown and White Leghorns.....	\$2.50	\$4.75	\$8.50
Barred Rocks, Buff Rocks and White Rocks.....	2.75	5.00	9.00
Buff Orpingtons, Rhode Island Reds, White Wyandottes..	2.75	5.00	9.00
Jersey White Giants.....	3.50	6.25	11.50
Black Minorcas and New Hampshires.....	2.75	5.25	9.50

## Top Notch "AAA" Finest Quality Chicks

Our Top Notch "AAA" Finest Quality Chicks are the very best that can be produced. They are from flocks headed by pedigreed and R.O.P. males, officially blood tested for BWD and all reactors removed. These tests have been made within the last twelve months. Quality in chicks will give results.

	25	50	100
Anconas, Brown and White Leghorns.....	\$3.75	\$7.20	\$13.40
Barred, Buff and White Plymouth Rocks.....	3.75	7.20	13.40
Buff Orpingtons, Rhode Island Reds, White Wyandottes..	3.75	7.20	13.40
Black, Buff and White Minorcas.....	3.75	7.20	13.40
Jersey White Giants.....	4.25	8.25	15.50

## Gro-More Brooder



It is easy to raise chicks in a Gro-More. A six-year-old child can supply the care and attention.

It is easy to raise chicks in a Gro-More. A six year child can supply the care and attention needed.

The floor area is 24x24 inches with 7 inch head room, which is much larger than the average makes of brooders of this kind. Capacity 75 chicks.

The sides are galvanized steel. Both feeder and waterer are unusually large and easily detached. The feed openings have turned edges and are easily adjusted for all size chicks. The top is extra heavy fibre board which conserves the heat remarkably well and if taken care of will last for years.

The heat is supplied by electric lamp bulb and there is a galvanized steel drum around the bulb to circulate the warmth.

Price No. 634 Gro-More Brooder with feed and water pans, also cord, plug, and socket to hold the bulb (bulbs not furnished), \$2.75; by mail, \$3.10.

## America's Leading Poultry and Chick Feed

Ful-O-Pep Feeds are manufactured from the finest grains money can buy; quality counts, get free folder giving full facts, why it will pay you to use them.

**BONE MEAL.** Fine or coarse for poultry and chicks.

**CHARCOAL.** For chicks or hens.

**DRIED BUTTERMILK.** Should be used in all chick meal.

**FUL-O-PEP CHICK STARTER.** Contains oatmeal grain products, Cod Liver Oil, Yeast and Minerals.

**FUL-O-PEP COARSE CHICK.** For growing fowls made only from fresh grains of the best quality.

**FUL-O-PEP FINE CHICK GRAIN.** The finest quality of milled grains are used in this feed.

**FUL-O-PEP EGG MASH.** Will make your hens lay regularly and keep them

**FUL-O-PEP GROWING MASH.** Should be used when chicks are eight weeks old. healthy and active.

**FUL-O-PEP HEN SCRATCH GRAINS.** Should be fed in combination with Ful-O-Pep Egg Mash.

Prices on all Ful-O-Pep Poultry Feeds given on our Green Ink List.

**MEAT SCRAPS.** Excellent for feeding to Poultry.

**OYSTER SHELL.** Made in two sizes for chicks or hens.

**PIGEON FEED.** With or without corn.

**POULTRY GRIT.** For chicks or hens.

**RABBIT MASH.** Keeps them healthy.

**RED CROSS GRIT.** Especially for pigeons.

**ROLLED OATMEAL.** Fine for Baby chicks.

**SCHUMAKER CALF MEAL.** A perfect milk substitute.

**SUNFLOWER SEED.** For feeding.

Prices Quoted on Green Ink List



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## PRICES

The prices we quote on vegetables and flower seeds will hold good as long as stocks last. The prices on all farm seeds, grain, etc., are those ruling January 2nd, 1937, and are subject to market changes. As far as possible we will fill all orders for such seeds in full, but if market values will not permit this we will send all that money remitted will pay for.

## NON-WARRANTY

Russell-Heckle Seed Company gives no warranty, express or implied, as to description quality, productiveness of any seeds, plants, bulbs or nursery stock they send out, and they will not be in any way responsible for the crop.

## IN EXPLANATION

Most of the failures with seeds, plants, bulbs, etc., are due to unfavorable weather or soil conditions, too deep or shallow planting, etc., all causes beyond our control; therefore it is impossible for us to guarantee success.

But you can take our seed home, examine them, test them, call in your County Agent, and if our seeds are not as represented, return them at once, and we will cheerfully refund your money.

## RUSSELL-HECKLE SEED CO.

Sales Department, 16 South Front St.  
Wholesale Warehouse, Linden Station  
Memphis, Tenn.

January 2nd, 1937



# WHEN AND WHAT TO PLANT

**THE RIGHT TIME** for sowing all seeds as we give them in the different months, should naturally be governed by the conditions of the weather and the soil.

**JANUARY**—Sow in hotbeds: Cabbage, Lettuce, Beets, Onion, Tomato and Cauliflower.

Sow outdoors the latter part of the month: Turnips, Mustard, Spinach, and English Peas.

**FEBRUARY**—Sow outdoors: Radish, Turnip, Mustard, Spinach, Onion Seed, and English Peas. Set out Onion Sets and Onion Plants. Sow Sweet Peas.

Sow in hotbeds: Cabbage, Beet, Tomato, Eggplant, Kohlrabi, Lettuce, and Pepper.

Set out frost-proof Cabbage Plants. Sow Lawn Grass. Sow Oats, Canada Field Peas, Red Top, Orchard Grass and Lawn Seed. Set out Grape Vines and Fruit Trees. Spray trees now.

**MARCH**—This is the month to begin general garden operations. Sow outdoors: Cabbage, Lettuce, Carrot, Beets, Parsley, Parsnips, Leek, Onion Seeds, Salsify, Spinach, English Peas.

Plant Onion Sets, Irish Potatoes. Sow Sweet Peas. Plant Early Corn. Set frost-proof Cabbage Plants, Onion, Cauliflower and Lettuce plants, Asparagus, Horseradish and Rhubarb roots.

Sow: Clover, Grasses, Oats, Alfalfa, Lawn Grass, Rape, Lespedeza.

Set out fruit trees of all kinds, Strawberry, Raspberry and Blackberry plants. Continue to spray trees.

**APRIL**—Sow Beets, Bush, Pole Beans, Carrots, Cress, Celery, Cucumber, Endive, Leek, Lettuce, Mustard, Okra, Parsley, Parsnip, Kohlrabi, Herbs, Peas, Radish, Swiss Chard, Squash, Tomato, and Turnip. Set out Onion Sets; plant Potatoes and Corn. Set Cabbage, Beet, Onion and Lettuce plants.

Sow all kinds of Flower Seeds and plant Spring Bulbs.

Sow Rape, Clovers, Alfalfa, Millet, Sorghum, Kafir Corn, Lespedeza, Sudan, Orchard and Herd's Grass. Plant Cotton, Corn, Artichokes, Crotalaria.

Continue your spray work on Fruit Trees.

**MAY**—Plant Bush, Pole, Lima Beans, Beets, Cabbage, Carrot, Corn, Cucumber, Cantaloupe, Endive, Eggplant, Lettuce, Mustard, Okra, Pepper, Parsley, Parsnips, Peas, Pumpkin, Squash, Swiss Chard, Spinach, Tomato.

Sow Flower Seeds; put out Flower Bulbs; Cabbage, Tomato, Pepper, Eggplant and Sweet Potato slips. Sow Millet,

Sorghum, Sudan, Bermuda Grass, Cow Peas, Chufas, Peanuts, Field Corn and Popcorn, Soy, Velvet Beans, Cotton, Kafir Corn, Milo Maize, Sagrain.

**JUNE**—As you get space in your garden, plant Corn, Cucumbers, Cantaloupes, Collards, Pumpkin, Okra, Squash, Watermelon, Swiss Chard, Salsify, Carrots, Savoy Cabbage, and late Beets. Set out Tomato, Eggplant, Pepper and Sweet Potato plants. Sow a later crop of Bush, Lima and Pole Beans. Sow Tomato seed for Fall Crop.

Sow Stock Peas, Soy Beans, Buckwheat, Broom Corn, Sorghum, Velvet Beans, Sudan, Bermuda Grass, Millet, Mexican June Corn and Sagrain.

**JULY**—Plant for late crops Corn, Cucumbers, Carrots, Savoy Cabbage, Collards, Tomato Seed, Bush, Pole and Lima Beans, Okra, Squash, Potatoes, Pumpkin, Rutabaga, Turnips.

Sow in the field: Cow Peas, Millet, Sorghum, Soy Beans, Sagrain, Sudan Grass, Mexican June Corn, Buckwheat.

**AUGUST**—Begin to plant now your Fall Garden. If weather is favorable, sow Turnips, Kale, Radish, Rutabagas, Collards, Mustard, Beet, Bush and Pole Beans, Lettuce, Cucumbers, Squash; plant Potatoes for late crop.

Sow Crimson, Burr Clover and Millet.

**SEPTEMBER**—Get busy on your Fall Garden. Sow Turnips, Rutabagas, Kale, Mustard, Swiss Chard, Spinach, Lettuce, Endive, Radish, Onion Seed. Set out Shallots, Onion Sets. Sow Crimson, Burr, Alfalfa, Red Clover, Grass Seeds, Vetch, Austrian Winter Peas, Rye, Barley, Winter Oats, Rape.

**OCTOBER**—Sow Spinach, Kale, Seven Top Turnips, Mustard. Set out Onion Sets, Shallots.

Sow Rye, Barley, Winter Oats, Wheat, Vetch, Austrian Peas, Rape, Alfalfa, Red Clover, Burr Clover, Grass Seeds, Lawn Grass Seed.

**NOVEMBER**—Set out Onion Sets and Shallots. Sow Winter Oats, Rye, Barley, Wheat, Lawn and other Grass Seeds. Set out Fruit Trees, Strawberry plants, Asparagus roots. Plant Hyacinths, Tulips, Crocus and Narcissus bulbs.

**DECEMBER**—Get your hotbed ready and sow Cabbage, Lettuce, Beet and Cauliflower seed for Spring use.

Continue to plant Dutch bulbs. Set out Fruit Trees and Shade Trees. Spray fruit trees and grape vines this month.

## Garden Planting Information

VARIETY	When to Plant	Quantity for 100 Feet	Quantity for an Acre	Distance Between Rows	Distance Apart in the Row	Depth to plant
ASPARAGUS SEED.....	February, March	2 oz.	2 to 3 lbs.	18 to 24 ins.	6 to 12 ins.	1 in.
ASPARAGUS ROOTS.....	Feb., Mar.—Nov.	100 plants	10 to 12 m.	3 to 4 ft.	12 to 18 ins.	5 ins.
BEANS, BUSH SNAP.....	April, May—July, Aug.	1 pt.	60 lbs.	2 to 3 ft.	3 to 4 ins.	1 in.
BEANS, POLE.....	April, May—July, Aug.	$\frac{1}{2}$ to $\frac{3}{4}$ lbs.	15 to 20 lbs.	3 to 4 ft.	$1\frac{1}{2}$ to 2 ft.	1 in.
BEANS, BUSH LIMA.....	April, May—July, Aug.	1 to $1\frac{1}{2}$ lbs.	30 to 40 lbs.	2 to 3 ft.	6 to 12 ins.	1 in.
BEETS, GARDEN.....	March, Apr.—July, Aug.	2 ozs.	6 to 8 lbs.	2 to $2\frac{1}{2}$ ft.	3 to 4 ins.	1 in.
BROCCOLI.....	March, Apr.—July, Aug.	2 pkts.	$\frac{1}{4}$ to $\frac{1}{2}$ lb.	$2\frac{1}{2}$ to 3 ft.	15 to 18 ins.	$\frac{1}{2}$ in.
BRUSSELS SPROUTS.....	March, Apr.—July, Aug.	2 pkts.	$\frac{1}{4}$ to $\frac{1}{2}$ lb.	$2\frac{1}{2}$ to 3 ft.	15 to 18 ins.	$\frac{1}{2}$ in.
CABBAGE.....	February to October	2 pkts.	$\frac{1}{4}$ to $\frac{1}{2}$ lb.	$2\frac{1}{2}$ to 3 ft.	18 to 24 ins.	$\frac{1}{2}$ in.
CAULIFLOWER.....	Feb., Mar.—July, Aug.	2 pkts.	$\frac{1}{4}$ lb.	$2\frac{1}{2}$ to 3 ft.	18 to 24 ins.	$\frac{1}{2}$ in.
CARROT.....	February to September	1 oz.	4 to 5 lbs.	2 to 3 ft.	3 to 4 ins.	$\frac{1}{2}$ in.
CELERY.....	February, March	2 pkts.	$\frac{1}{4}$ to $\frac{1}{2}$ lb.	$2\frac{1}{2}$ to 3 ft.	4 to 5 ins.	$\frac{1}{4}$ in.
COLLARDS.....	Spring to Fall	1 oz.	$\frac{1}{2}$ to $\frac{3}{4}$ lb.	$2\frac{1}{2}$ to 3 ft.	12 to 18 ins.	$\frac{1}{2}$ in.
CORN, GARDEN.....	March to August	$\frac{1}{2}$ lb.	10 to 12 lbs.	$3\frac{1}{2}$ to 4 ft.	18 to 24 ins.	2 ins.
CUCUMBER.....	April to August	1 oz.	2 to $2\frac{1}{2}$ lbs.	4 to 5 ft.	4 to 5 ft.	1 in.
DANDELION.....	April to September	2 pkts.	1 lb.	3 to $3\frac{1}{2}$ ft.	12 to 18 ins.	$\frac{1}{4}$ in.
EGGPLANT.....	March to July	2 pkts.	$\frac{1}{2}$ lb.	3 to $3\frac{1}{2}$ ft.	2 to 3 ft.	$\frac{1}{4}$ in.
ENDIVE.....	March to August	2 pkts.	1 lb.	2 to 3 ft.	12 to 15 ins.	$\frac{1}{2}$ in.
KALE.....	Spring to Fall	1 oz.	2 to 3 lbs.	2 to 3 ft.	6 to 8 ins.	$\frac{1}{2}$ in.
KOHLRABI.....	March to September	1 oz.	1 lb.	2 to 3 ft.	5 to 6 ins.	$\frac{1}{2}$ in.
LETTUCE.....	February to September	1 oz.	2 lbs.	24 to 30 ins.	6 to 12 ins.	$\frac{1}{4}$ lb.
LEEK.....	March to September	1 oz.	2 lbs.	12 to 24 ins.	4 to 6 ins.	$\frac{1}{2}$ in.
MUSTARD.....	February to October	1 oz.	2 to 3 lbs.	2 to 3 ft.	3 to 4 ins.	$\frac{1}{2}$ in.
MUSKMELON.....	April to August	1 oz.	2 lbs.	4 to 6 ft.	4 to 6 ft.	$\frac{3}{4}$ to 1 in.
OKRA.....	April to July	$\frac{1}{4}$ lb.	8 to 10 lbs.	3 to 4 ft.	12 to 18 ins.	1 in.
ONION SEED.....	February to September	1 oz.	2 to 3 lbs.	24 to 30 ins.	3 to 4 ins.	$\frac{1}{2}$ in.
ONION SETS.....	February to October	1 qt.	8 to 10 bus.	24 to 30 ins.	3 to 4 ins.	1 in.
ONION PLANTS.....	March to June	300 plants	32 m.	24 to 30 ins.	3 to 4 ins.	
PARSLEY.....	February to September	1 oz.	5 to 6 lbs.	18 to 24 ins.	3 to 4 ins.	$\frac{1}{2}$ in.
PARSNIP.....	February to August	4 ozs.	5 to 6 lbs.	18 to 24 ins.	4 to 6 ins.	$\frac{1}{2}$ in.
PEPPER.....	March to July	2 pkts.	$\frac{1}{4}$ lb.	2 to 3 ft.	18 to 24 ins.	$\frac{1}{4}$ in.
PEAS, GARDEN.....	February to August	1 lb.	60 to 75 lbs.	$2\frac{1}{2}$ to 3 ft.	3 to 4 ins.	1 in.
PUMPKIN.....	April to July	1 oz.	2 to 3 lbs.	8 to 10 ft.	8 to 10 ft.	1 in.
RADISH.....	February to October	2 ozs.	8 to 10 lbs.	18 to 24 ins.	1 to 2 ins.	$\frac{1}{2}$ in.
RUTABAGA.....	March to October	1 oz.	2 to 3 lbs.	18 to 24 ins.	4 to 6 ins.	$\frac{1}{2}$ in.
SALSIFY.....	March to July	2 ozs.	6 to 8 lbs.	18 to 24 ins.	3 to 4 ins.	$\frac{1}{2}$ in.
SPINACH.....	January to October	2 ozs.	8 to 10 lbs.	2 to 3 ft.	1 to 2 ins.	1 in.
SQUASH.....	April to August	1 oz.	2 to 3 lbs.	3 to 4 ft.	3 to 4 ft.	1 in.
TOMATO.....	February to July	1 pkt.	$\frac{1}{4}$ lb.	4 to 5 ft.	3 to 4 ft.	$\frac{1}{4}$ in.
TURNIP.....	February to October	1 oz.	2 to 3 lbs.	2 to $2\frac{1}{2}$ ft.	2 to 3 ins.	$\frac{1}{2}$ in.
TOMATO PLANTS.....	April to July	24-36	3 to 4 m.	4 to 5 ft.	3 to 4 ft.	
WATERMELON.....	April to July	1 oz.	2 to 3 bs.	8 to 10 ft.	8 to 10 ft.	1 in.







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# When to Plant—Field Seeds—How Much to Plant

One acre of land contains approximately 210x210 feet or 43500 square feet

VARIETY	When to Plant	Quantity for an Acre	Distance Between Rows	Distance Apart in the Row	Depth to Plant	Pounds to the Bushel
ALFALFA.....	Mar., Apr.—Sept., Oct.	25 to 30 lbs.	Broadcast	Broadcast	¾ to 1 in.	60 lbs.
ARTICHOKES, JERUSALEM.....	Mar., April, May	3 to 4 bus.	3½ to 4 ft.	15 to 18 ins.	4 ins.	50 lbs.
BARLEY.....	Sept., Oct.	1½ bu.	Broadcast	Broadcast	2 ins.	48 lbs.
BEET, MANGEL STOCK.....	March, April, May	6 to 8 lbs.	18 to 24 ins.	8 ins.	1 in.	30 lbs.
BROOM CORN.....	April, May, June	6 to 8 lbs.	3½ ft.	8 to 10 ins.	1 in.	46 lbs.
BUCKWHEAT.....	May, June, July	1 bu.	Broadcast	Broadcast	1 in.	50 lbs.
BEANS, NAVY FIELD.....	May, June, July	1 to 1½ pks.	4 ft.	6 to 8 ins.	1 in.	60 lbs.
BLACK MEDIC.....	Feb., Mar., April	18 to 20 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
CHUFAS.....	April to June	1 pk.	3 ft.	15 to 18 ins.	2 ins.	44 lbs.
CLOVER, ALSIKE.....	Mar. to May—Sept.	6 to 8 lbs.	Broadcast	Broadcast	¾ to 1 in.	60 lbs.
CLOVER, BURR.....	Aug., Sept., Oct.	30 to 40 lbs.	Broadcast	Broadcast	½ in.	10 lbs.
CLOVER, CRIMSON.....	Aug., Sept., Oct.	15 to 18 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
CLOVER, HOP.....	Feb., Mar., Apr.—Sept.	10 to 12 lbs.	Broadcast	Broadcast	¼ in.	60 lbs.
CLOVER, SWEET MELILOTUS.....	Mar., Apr.—Sept., Oct.	15 to 25 lbs.	Broadcast	Broadcast	¼ in.	60 lbs.
CLOVER, MAMMOTH SAPLING.....	Mar., Apr.—Sept., Oct.	8 to 10 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
CLOVER, RED.....	Mar., Apr.—Sept., Oct.	8 to 10 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
CLOVER, WHITE DUTCH.....	Feb., Mar.—Sept., Oct.	4 to 6 lbs.	Broadcast	Broadcast	¼ in.	60 lbs.
COW PEAS, IN DRILLS.....	Apr., May, June, July	½ to 1 bu.	18 to 24 ins.	2 to 3 ins.	2 ins.	60 lbs.
COW PEAS, BROADCAST.....	Apr., May, June, July	1½ to 2 bus.	Broadcast	Broadcast	2 ins.	60 lbs.
CANADA FIELD PEAS.....	Jan., Feb., March	1½ to 2 bus.	Broadcast	Broadcast	2 ins.	60 lbs.
CORN, FIELD.....	April to August	4 to 6 qts.	3½ to 4 ft.	18 to 24 ins.	2 ins.	56 lbs.
CROTALARIA.....	April, May, June	12 to 15 lbs.	Broadcast	Broadcast	½ to ¾ in.	40 lbs.
CROTALARIA, DRILLS.....	April, May, June	5 to 6 lbs.	2 ft.	10 to 12 ins.	½ to ¾ in.	40 lbs.
COTTON SEED.....	April, May, June	1 bu.	3½ to 4 ft.	12 to 15 ins.	¾ to 1 in.	32 lbs.
EGYPTIAN WHEAT, SHALLU.....	May, June, July	10 to 12 lbs.	3½ ft.	12 to 15 ins.	1½ to 2 ins.	50 lbs.
FETERITA.....	May, June, July	6 to 8 lbs.	3½ to 4 ft.	4 to 5 ins.	1½ to 2 ins.	50 lbs.
KAFFIR CORN.....	May, June, July	6 to 8 lbs.	3½ to 4 ft.	4 to 6 ins.	1½ to 2 ins.	50 lbs.
HEGARI.....	April, May, June	8 to 10 lbs.	3½ to 4 ft.	4 to 6 ins.	1 to 1½ ins.	50 lbs.
GRASS, BERMUDA.....	April to June—Sept.	10 to 12 lbs.	Broadcast	Broadcast	¼ in.	40 lbs.
GRASS, BLUE.....	Feb. to April—Sept., Oct.	60 to 75 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
GRASS, CARPET.....	March, April—Sept.	20 to 30 lbs.	Broadcast	Broadcast	½ in.	10 lbs.
GRASS, DALLAS.....	March, April, May	8 to 10 lbs.	Broadcast	Broadcast	½ in.	10 lbs.
GRASS, LAWN.....	Feb., Mar.—Sept., Oct.	60 to 75 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
GRASS, ORCHARD.....	Feb. to Apr.—Sept., Oct.	20 to 24 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
GRASS, RED TOP, HERDS.....	Feb. to Apr.—Sept., Oct.	8 to 10 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
GRASS, PASTURE.....	Feb. to Apr.—Sept., Oct.	30 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
GRASS, WINTER RYE.....	Sept., Oct., Nov.	100-150 lbs.	Broadcast	Broadcast	½ in.	24 lbs.
GROHOMA.....	April, May, June	4 to 5 lbs.	3½ to 4 ft.	8 to 10 ins.	1 to 1½ ins.	50 lbs.
LESPEDEZA, JAPAN CLOVER.....	Feb., Mar., April	1 bu.	Broadcast	Broadcast	¼ in.	25 lbs.
LESPEDEZA SERICEA.....	April, May	20 to 30 lbs.	Broadcast	Broadcast	¼ in.	40 lbs.
LESPEDEZA SERICEA, DRILL.....	April, May	3 to 4 lbs.	3 ft.	6 to 8 ins.	¼ in.	40 lbs.
MILLET, HUNGARIAN.....	April to August	1 to 1¼ bus.	Broadcast	Broadcast	½ in.	48 lbs.
MILLET, TENN. GERMAN.....	April to August	1 to 1½ bus.	Broadcast	Broadcast	½ in.	50 lbs.
MILLET, PEARL.....	May, June, July	8 to 10 lbs.	3 to 3½ ft.	4 to 6 ins.	½ in.	48 lbs.
MILLET, JAPANESE.....	May, June, July	20 to 25 lbs.	Broadcast	Broadcast	½ in.	50 lbs.
MILO MAIZE.....	May, June, July	6 to 8 lbs.	3 to 3½ ft.	4 to 5 ins.	1 in.	50 lbs.
MUNG BEANS.....	May, June, July	8 to 10 lbs.	3 to 3½ ft.	2 to 4 ins.	1 in.	60 lbs.
OATS.....	Feb., Mar.—Sept., Oct.	2 to 2½ bus.	Broadcast	Broadcast	1 to 2 ins.	32 lbs.
PEANUTS.....	May, June	35 to 40 lbs.	3 to 3½ ft.	10 to 12 ins.	2 ins.	22 lbs.
PEAS, STOCK.....	May, June, July	1½ to 2 bus.	Broadcast	Broadcast	2 ins.	60 lbs.
PEAS, AUSTRIAN WINTER.....	Aug., Sept., Oct.	30 to 35 lbs.	Broadcast	Broadcast	2 ins.	60 lbs.
POTATOES, IRISH.....	Feb., Mar., Apr.—July, Aug.	10 to 12 bus.	3 to 3½ ft.	15 to 18 ins.	4 ins.	60 lbs.
RAPE, ESSEX.....	Feb., Mar., Apr.—Aug. to Oct.	6 to 10 lbs.	2 to 3 ft.	4 to 6 ins.	½ in.	50 lbs.
RYE, COMMON.....	Sept., Oct., Nov.	1 to 1¼ bus.	Broadcast	Broadcast	2 ins.	56 lbs.
RYE, ABRUZZI.....	Sept., Oct., Nov.	¾ to 1 bus.	Broadcast	Broadcast	2 ins.	56 lbs.
SAGRAIN.....	Apr., May, June, July	8 to 10 lbs.	3 to 3½ ft.	4 to 5 ins.	1 in.	50 lbs.
SORGHUM, DRILL.....	Apr., May, June, July	8 to 10 lbs.	3½ to 4 ft.	4 to 5 ins.	1 in.	50 lbs.
SORGHUM, FOR HAY.....	Apr., May, June, July	50 to 75 lbs.	Broadcast	Broadcast	1 in.	50 lbs.
SOY BEANS, SMALL SEED.....	Apr., May, June, July	1 bu.	Broadcast	Broadcast	1 to 2 ins.	60 lbs.
SOY BEANS, DRILL, Small Seed.....	Apr., May, June, July	1 pk.	3 to 3½ ft.	4 to 5 ins.	1 to 2 ins.	60 lbs.
SOY BEANS, LARGE SEED.....	Apr., May, June, July	1½ bus.	Broadcast	Broadcast	1½ to 3 ins.	60 lbs.
SOY BEANS, DRILL, Large Seed.....	Apr., May, June, July	½ bu.	3½ to 5 ft.	4 to 6 ins.	1½ to 3 ins.	60 lbs.
SUDAN GRASS.....	Apr., May to Aug.	25 to 30 lbs.	Broadcast	Broadcast	1 in.	40 lbs.
SUNFLOWER.....	May, June	6 to 8 lbs.	3½ to 4 ft.	15 to 18 ins.	1 in.	25 lbs.
TIMOTHY.....	March, April—Sept., Oct.	15 lbs.	Broadcast	Broadcast	¼ to ½ in.	45 lbs.
TEOSINTE.....	May, June	3 to 4 lbs.	3 to 4 ft.	4 to 6 ins.	1 in.	50 lbs.
VETCH, WINTER VARIETY.....	Aug. to Nov.	20 to 25 lbs.	Broadcast	Broadcast	2 ins.	60 lbs.
VELVET BEANS.....	May, June	¼ to ½ bu.	4 to 5 ft.	2 to 2½ ft.	3 to 4 ins.	60 lbs.
WHEAT.....	Sept., Oct., Nov.	5 pks.	Broadcast	Broadcast	2 ins.	60 lbs.



# 1937 SPECIAL OFFER



Marigold—Dixie Sunshine



Marigold—  
Gigantea Sunset Giants

## Marigold

### Dixie Sunshine

The gorgeous lasting, double golden yellow flowers are 2 inches in diameter.

Packet 15c

## Calendula

### Campfire Sensation

Color, dark orange with a distinct scarlet sheen, flowers measure four inches across.

Packet 10c



Petunia—Flaming  
Velvet

## Petunia

### Flaming Velvet

Large flowered Hybrid type richest velvet, scarlet large flowering and free blooming.

Packet 25c

## SPECIAL OFFER

One packet each of the five new varieties shown. Regular value 80c for only 50c postpaid.

## Marigold

### Gigantea Sunset Giants

The immense flowers measure 5 to 6 inches across and come in various shades of golden orange, deep and light yellow, and primrose. They are showy, fragrant and of exceptional size.

Packet Mixed Colors 15c

## Nasturtium

Double Orange Gleam, deep glowing orange, sweet scented flowers, plant semi-dwarf. Pkt. 15c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.00, postpaid.



Calendula



Nasturtium  
—Orange  
Gleam



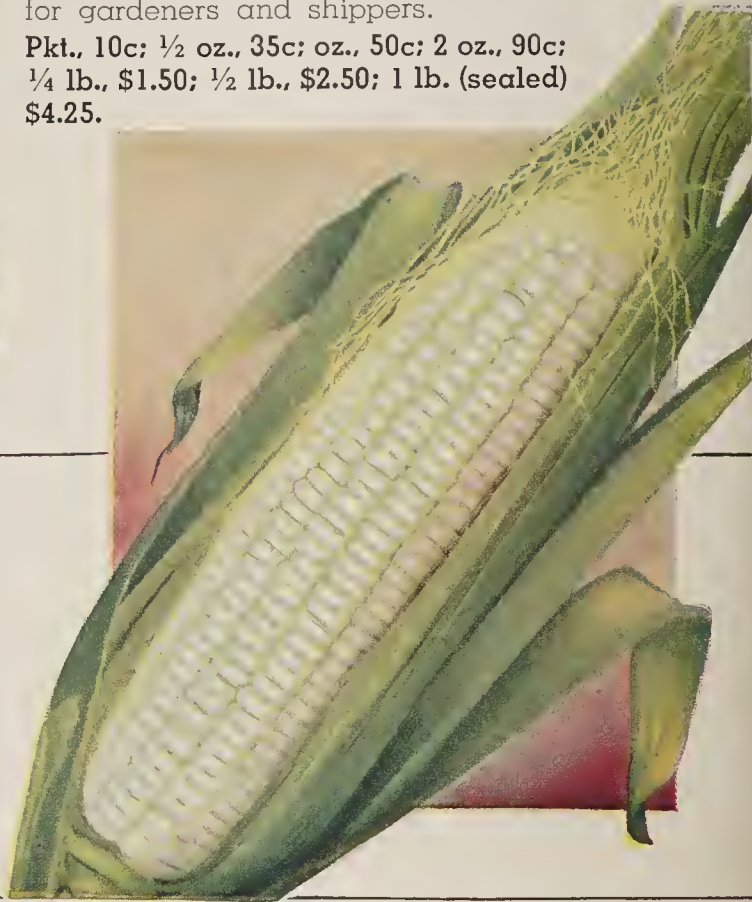
# Master MARGLOBE TOMATO



## CERTIFIED

The most outstanding Tomato ever developed. Noted for its extreme solidity, deep globe typed smooth fruit, resistance to wilt and productiveness. The fruits are of good size and ripen a beautiful scarlet red, well up to stems. Certified Master Marglobe is a profitable variety for gardeners and shippers.

Pkt., 10c; ½ oz., 35c; oz., 50c; 2 oz., 90c;  
¼ lb., \$1.50; ½ lb., \$2.50; 1 lb. (sealed)  
\$4.25.



## *Delicious Trucker's* FAVORITE SWEET DENT CORN

This new sweet dent corn will fill a need for a Southern variety of sugar or sweet corn that will stand the heat, the ears are eight to ten inches long, filled with 12 to 16 rows of plump, creamy, white grains of the most delicious quality. It makes roasting ears in 60 days.

Packet 10c; ½ lb., 25c; 1 lb., 35c; 2 lbs.,  
60c, postpaid.



## RUSSELL-HECKLE COMPANY'S WINONA

This is one of the finest of Water Melons. Winona is in a class by itself. It is one of the sweetest varieties. The fruits are long with a very dark green rind, flesh deep rosy red, crisp, sweet and juicy. The melons grow quite large and are of a perfect shape. The average weight of Winona is 35 lbs.

Our seed is genuine, grown for us in Northern Mississippi. Price of select seed:  
Pkt., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; ½ lb., \$1.25; 1 lb., \$2.00, postpaid.

## • SPECIAL OFFER •

One packet each of above 3 varieties 25c postpaid. One ounce each Certified Master Marglobe Tomato, Winona Watermelon and 1 lb. Delicious Trucker's Sweet Corn 75c, postpaid.

# RUSSELL-HECKLE SEED COMPANY

16 S. Front St.

Wholesale Warehouse, Linden Station

Memphis, Tenn.